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PRELIMINARY ASSESSMENT

of

CABOT LANDFILL

(ARD983269275)

#### Prepared By

Kurt Soutendijk. FIT Chemist

Ecology and Environment, Inc. Region VI

October 22, 1990

PRELIMITARY REPORT This idea and amurbate-final opinion of EIVA



ecology and environment, inc. 1509 MAIN STREET, DALLAS, TEXAS 75201. TEL. 214-742-6601

International Specialists in the Environment

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#### PREFACE

This Preliminary Assessment Report was prepared by Ecology and Environment, Inc. for the Environmental Protection Agency under Contract Number 68-01-7347.

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#### PRELIMINARY ASSESSMENT

of

### CABOT LANDFILL

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FIGURES

Figure Title

1 Site Location Map

#### 1. SITE INFORMATION

The Ecology and Environment, Inc. (E & E) Region VI Field Investigation Team (FIT) was tasked by the U. S. Environmental Protection Agency (EPA) under Technical Directive Document (TDD) F06-9009-14 to conduct the Preliminary Assessment (PA) of the Cabot Landfill (ARD983269275) in Cabot, Lonoke County, Arkansas.

#### 1.1 SITE LOCATION

The Cabot Landfill is located 1/4 mile vest of the north end of Villie Ray Road, approximately 1 1/2 miles north of Cabot's community building, in Cabot, Lonoke County, Arkansas (Ref. 1). The legal description of the landfill property is Lot 1, Lot 2 and the southwest quarter of Lot 5 of Section 6, Township 4 North, Range 9 West (Ref. 2). The geographical coordinates are 34°59'45" north latitude and 92°01'00" vest longitude (Figure 1).

#### 1.2 SITE BACKGROUND

The site was purchased by the City of Cabot for use as a municipal landfill (Ref. 2; Ref. 3). The area of the site is 118.25 acres (Ref. 2). The State permitted 6.4 acres for landfill use in 1975 and approved an additional 8.5 acres in 1981 (Ref. 5; Ref. 6; Ref. 7; Ref. 8). A state inspection (June 24, 1980) found that the landfill had extended beyond its permitted or approved boundaries (Ref. 9, p. 4). The actual size of the landfill is not known.

#### 2. BACKGROUND AND OPERATING HISTORY

The site's history, known and potential problems and regulators involvement are addressed in this section.

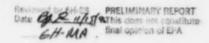
#### 2.1 SITE HISTORY

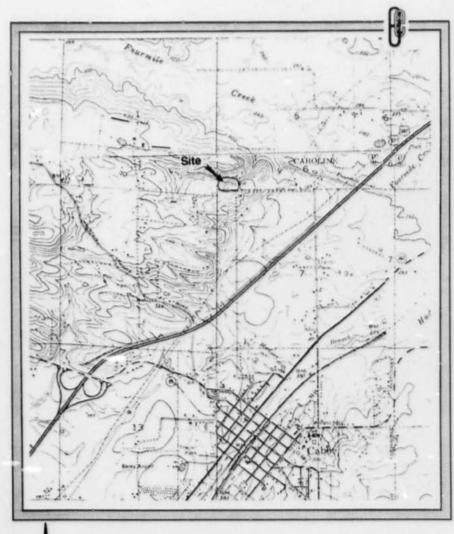
The landfill was primarily used for the disposal of domestic, commercial and institutional wastes (Ref. 10, p. 2). Wastes disposed at the site were to be covered daily with six inches of compacted soil. A final cover (two feet of compacted soil and four inches of topsoil) was to be applied and seeded at closure (Ref. 10, pp. 7, 8). The landfill was 75% closed by December 22, 1986. Final closure was scheduled for September 15, 1987 by the Arkansas Department of Pollution Control and Ecology (ADPC&E) (Ref. 11).

#### 2.2 KNOWN AND POTENTIAL PROBLEMS

The Cabot Landfill was cited by the Stare for exceeding permitted boundaries, leachate problems and overall poor conditions (Ref. 12). A state inspection on February 19, 1981 revealed 34 55-gallon drums.

The majority of the drums were labeled paint stripper. Several drums were bulging at the ends. The shipping address for the drums was Falcon Jet of Little Rock.





0\_\_\_\_\_2000' Scale 1:24000

FIGURE 1
SITE LOCATION MAP
CABOT LANDFILL
CABOT, ARKANSAS
ARD963269275

There was one drum labeled Dreamline Manufacturing, Cabot, Arkansas.

The drum was labeled lacquer sealer and had been burned. Two drums of Penvalt E-Z-Strip were resting on their sides and leaking.
also one drum of adhesive that had been leaking (Ref. 13).

A resident near the landfill stated that there is an abandoned well beneath the landfill. He also claims that there are springs located in the landfill. A state agent suspected that this was the cause of the leachate problem (Ref. 14; Ref. 15).

# 2.3 REGULATORY INVOLVEMENT

The ADPCSE has been involved in permitting the landfill and in inspecting for proper maintenance and operation (Ref. 3; Ref. 9).

# 3. PATHWAY CHARACTERISTICS

The ground water, surface water, soil exposure and air pathway characteristics are addressed in this section.

Water for domestic wells is found in the Tertiary deposits. This group is sandy clays with channel fillings of clean sand. The clean sands are an important source of domestic vater. In the area of the landfill, there is a surficial strata of clay approximately 80 feet deep (Ref. 17).

Leachate from the landfill could enter Four Hile Creek. The creek runs adjacent to the landfill and travels through an unpopulated area (Ref. 18).

The location of the landfill is remote but there are nearby residents 3.3 SOIL EXPOSURE and the landfill is not fenced or guarded (Attachment A) (Ref. 18).

Closure has been completed on the landfill. It has been completely covered and seeded to prevent erosion (Ref. 10, pp. 8-10; Ref. 11; Ref. 12).

### 4. TARGETS

The ground water, surface water, soil exposure and air targets are addressed in this section.

The City of Cabot obtains its drinking water from three wells located outside the four mile target distance (Ref. 18; Ref. 19). A permit There was one drum labeled Dreamline Manufacturing, Cabot, Arkansas. The drum was labeled lacquer sealer and had been burned. Two drums of Penwalt E-Z-Strip were resting on their sides and leaking. There was also one drum of adhesive that had been leaking (Ref. 13).

A resident near the landfill stated that there is an abandoned well beneath the landfill. He also claims that there are springs located in the landfill. A state agent suspected that this was the cause of the leachete problem (Ref. 14; Ref. 15).

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The ADPC&E has been involved in permitting the landfill and in inspecting for proper maintenance and operation (Ref. 3; Ref. 9).

#### 3. PATHWAY CHARACTERISTICS

The ground water, surface vater, soil exposure and air pathway characteristics are addressed in this section.

#### 3.1 GROUND WATER

Water for domestic wells is found in the Terticry deposits. This group is sandy clays with channel fillings of clean sand. The clean sands are an important source of domestic water. In the area of the landfill, there is a surficial strata of clay approximately 80 feet deep (Ref. 17).

#### 3.2 SURFACE VATER

Leachate from the landfill could enter Four Mile Creek. The creek runs adjacent to the landfill and travels through an unpopulated area (Ref. 18).

#### 3.3 SOIL EXPOSURE

The location of the landfill is remote but there are nearby residents and the landfill is not fenced or guarded (Attachment A) (Ref. 18).

#### 3.4 AIR

Closure has been completed on the landfill. It has been completely covered and seeded to prevent erosion (Ref. 10, pp. 8-10; Ref. 11; Ref. 12).

#### 4. TARGETS

The ground water, surface water, soil exposure and air targets are addressed in this section.

#### 4.1 GROUND VATER

The City of Cabot obtains its drinking water from three wells located outside the four mile target distance (Ref. 18; Ref. 19). A permit

application summary states that there are five residents within 1/2 mile of the site who are all on city vater. However, a Record of Communication from a nearby resident states that he is using well water (Ref. 14; Ref. 15). It is not known how many people within the target distance use well water for drinking purposes.

#### 4.2 SURFACE VATER

Leachate could enter Four Mile Creek. It is an intermittent stream and is most likely not used for drinking or irrigation purposes. It travels through a sparsely populated area. However, Cabot is in the Arkansas dairy land (Ref. 20), and it is possible that the creek travels through farm land. Therefore, covs may drink from the creek (Ref. 18).

#### 4.3 SOIL EXPOSURE

The location of the landfill is remote out there are nearby residents and the landfill is not fenced or guarded (Attachment A) (Ref. 18). The nearest resident is 1,000 feet from the site (Ref. 20, p. 2).

#### A.A ATR

Closure has been completed on the landfill. It has been completely covered and seeded to prevent erosion (Ref. 10, pp. 8, 9; Ref. 11; Ref. 12). It is not known if there are any sensitive environments within the four mile target distance.

#### 5. CONCLUSIONS

The Cabot Landfill was permitted and approved by the State to operate on 14.9 acres (Ref. 5; Ref. 6; Ref. 7; Ref. 8). A state inspection (June 4. 1980) revealed that the landfill exceeded its permitted boundaries and was operated poorly (Ref. 9, p. 4). Hazardous waste have been disposed at the landfill (Ref. 13).

The City of Cabot receives its water from wells outside the target distance (Ref. 18; Ref. 19). It is not known how many people within the target distance use well water for drinking purposes. The landfill has been closed and seeded (Ref. 10, p. 8-10; Ref. 11; Ref. 12).

#### REFERENCES

- Pre-Application Solid Waste Disposal Permit. Prepared by The City of Cabot, Arkansas. September 19, 1990.
- 2 Rural Real Estate Record Card. County Tax Assessors Office, Lonoke, Arkaneas.
- 3 Application for Approval of Sanitary Landfill Site. Prepared by City of Cabot, Arkansas. December 6, 1977.
- 4 Letter. Cabot Landfill. From: Ms. Jodie Marler, Administrative Assistant, Solid Waste Control Division, Arkansas Department of Pollution Centrol and Ecology. To: Willie Ray, Mayor, City of Cabot. March 20, 1978.
- 5 Letter. Cabot Landfill. From: Ray Hightover, Chief, Solid Waste Control Division, Arkansas Department of Pollution Control and Ecology. To: Villie P. Ray, Mayor, City of Cabot. July 2, 1975.
- 6 Engineering Plan Map for Proposed Sanitary Landfill for Cabot, Arkansas. April 2, 1973.
- 7 Application Solid Waste Disposal Permit. Prepared by City of Cabot Supply Agency. December 5, 1980.
- 8 Permit Application Summary. Prepared by Arkansas Department of Pollution Control and Ecology. March 16, 1981.
- 9 Arkansas Department of Pollution Control and Ecology. Sanitary Landfill Evaluations. June 6, 1980; February 18, 1981; March 22, 1981; November 2, 1981; April 16, 1984; May 30, 1984; November 29, 1984; March 11, 1985; April 11, 1985; April 26, 1985; June 12, 1985; July 12, 1985; September 11, 1985; October 28, 1985.
- 10 Letter. Sanitary Landfill Summary. From: Glen P. Clements, Mayor, City of Cabot. To: Arkansas Department of Pollution Control and Ecology. April 14, 1981.
- 11 Letter. Cabot Landfill. From: Jim Bearden. Arkansas Department of Pollution Control and Ecology. To: N.E. Smith, Mayor, City of Cabot. January 6, 1967.
- 12 Letter. Cabot Landfill. From: S. K. McMullen, Field Inspector, Arkansas Department of Pollution Control and Ecology. To: V. E. Smith, Hayor, City of Cabot. April 12, 1985.

# RETAKE TARGET

Because of suspected operator error or camera malfunction, the preceeding page was refilmed and appears as the next image.

#### REFERENCES

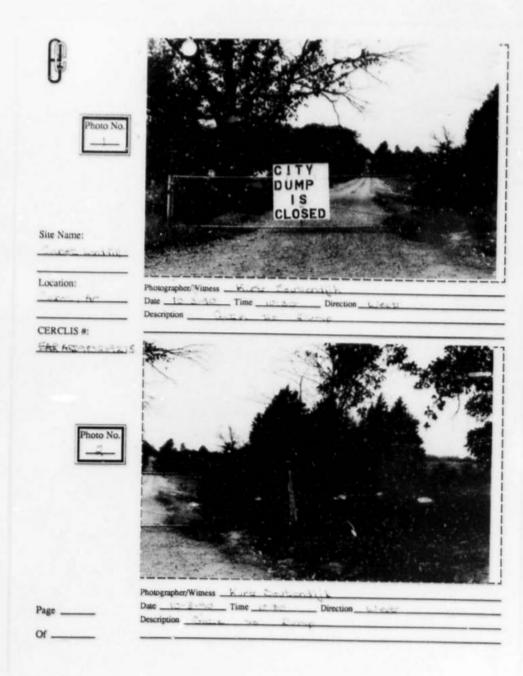
- 1 Pre-Application Solid Waste Disposal Permit. Prepared by The City of Cabot, Arkansas. September 19, 1990.
- 2 Rural Real Estate Record Card. County Tax Assessors Office, Lonoke, Arkansas.
- 3 Application for Approval of Sanitary Landfill Site. Prepared by City of Cabot, Arkansas. December 6, 1977.
- 4 Letter. Cabot Landfill. From: Ms. Jodie Marler, Administrative Assistant, Solid Waste Control Division, Arkansas Department of Pollution Control and Ecology. To: Willie Ray, Hayor, City of Cabot. March 20, 1978.
- 5 Letter. Cabot Landfill. From: Ray Hightover, Chief. Solid Waste Control Division, Arkansas Department of Pollution Control and Ecology. To: Willie P. Ray, Mayor, City of Cabot. July 2, 1975.
- 6 Engineering Plan Map for Proposed Sanitary Landfill for Cabot, Arkansas. April 2, 1973.
- 7 Application Solid Waste Disposal Permit. Prepared by City of Cabot Supply Agency. December 5, 1980.
- 8 Permit Application Summary. Prepared by Arkansas Department of Pollution Control and Ecology. March 16, 1981.
- 9 Arkansas Department of Pollution Control and Ecology. Sanitary Landfill Evaluations. June 6, 1980; February 18, 1981; March 12, 1981; November 2, 1981; April 16, 1984; May 30, 1984; November 29, 1984; Harch 11, 1985; April 11, 1985; April 26, 1985; June 12, 1985; July 12, 1985; September 11, 1985; October 28, 1985.
- 10 Letter. Sanitary Landfill Summary. From: Glen P. Clements, Mayor, City of Cabot. To: Arkansas Department of Pollution Control and Ecology. April 14, 1981.
- 11 Letter. Cabot Landfill. From: Jim Bearden. Arkansas Department of Pollution Control and Ecology. To: N.E. Smith, Mayor, City of Cabot. January 6, 1987.
- 12 Letter. Cabot Landfili. From: S. K. McMullen, Field Inspector, Arkansas Department of Pollution Control and Ecology. To: W. E. Smith, Mayor, City of Cabot. April 12, 1985.

- 13 Memorandum. Drums of Hazardous Material at Cabot Sanitary Landfill. From: Mike Bates, Hazardous Waste Inspector, Arkansas Department of Pollution Control and Ecology. To: Doyce Hughes, Inspector Supervisor Hazardous Vaste, Arkansas Department of Pollution Control and Ecology.
- 14 Record of Communication. Well Located on Cabot Sanitary Landfill. From: Richard McDuffee, Arkansas Department of Pollution Control and Ecology. To: Cabot Files. August 6, 1979. ARD983269275.
- 15 Record of Communication. Well Located on Cabot Sanitary Landfill. From: Richard McDuffee, Arkansas Department of Pollution Control and Ecology. To: Cabot Files. August 13, 1979. APD983269275.
- 16 Counts, Halan B. Ground Water Resources of Parts of Lonoke, Prairie, and White Counties, Arkansas. Arkansas Geological and Conservation Commission. Arkansas, 1957.
- 17 Well Logs. Arkansas Geological Commission.
- 18 U.S.G.S. 7.5 Minute Series Topographical Map. Mountain Springs, Arkansas 1963. Beebee, Arkansas 1963. Cabot, Arkansas 1954. Oak Grove, Arkansas 1982.
- 19 Record of Communication. Water Supply for the City of Cabot. From: Kurt Soutendijk, FIT Chemist, Ecology and Environment, Inc. To: Rodney Cabot, Cabot Water Department. October 16, 1990 ARD9832679275.
- 20 Letter. Cabot Landfill. From: Willie Ray, Mayor, City of Cabot. To: Arkansas Department of Pollution Control and Ecology. July 14, 1977.

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ATTACHMENT A

Photographs







Site Name:

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Location:

Cost, AR

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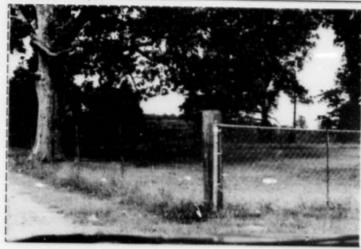






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## REFERENCS: 1

11/15/77

ARKANSAS DEPARTMENT OF FOLLUTION CONTROL AND ECOLOGY.

6001 National Drive
Little Rock, Arkansas 72209
Solid Waste Control Division 371-2130

SOLID WASTE DISPOSAL PERMIT (Sanitary Landfill)

This is notification of intent to apply for a solid waste disputed permit. A registered professional engineer is required to submit operational plans before a permit can be considered.

rmit can be cons		***	Phone No.	843-3566 982-8324
Applicant's name	CITY OF CABOT, ARKANS			
Address	P. O. Drawer AD Cabo	ot, Arkansas //	2023	-
Property owner's	nameSAME		_Phone No.	
Address				
Land is to be le	eased, rented,	owned X (ch	eck one).	
Purpose of land	fill (area and/or towns	served, etc.)_	to serve	
Cabot, Ward,	Austin, and surrounding	gareas		
Zoning regulation	ons restricting use of t	the site None		
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THE PERSON NAMED IN COLUMN	sanitary landfill	Cabot Sanitary	Landfill	
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ASSESSMENT COORDINATION DIVISION

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## REFERENCE: 3

Revised 6/13/75

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

APPLICATION FOR APPROVAL GF

		SANTAKE CARDETCE STIE
1	The	undersigned proposes to construct and operate a sanitary landfill for dis-
	005	al of solid wastes. A permit will be issued following approved engineering
	ies	Ign and methods of operation.
1	١.	Name of proposed sanitary landfill Cabot Landfill   See   Second Communication   Adjacent to Present landfill just North of Communication   Second Communication
2	2.	Applicant's name City of Cabot
		Phone No. 843-3566
		Address p. O. Box 597, Cabot, Arkansas 72023
3	3.	Property owner's name
		Phone No. 843-3566
		Land is to be leased, rented, owned _X(check one)
4	١.	Responsible authority for operationWillie Ray, Mayor
5	5.	Area and/or towns served Cabot, Ward, Austin and surrounding area
6	i.	Total population served (if residential waste landfill) Estimate 12,000
,		Legal description of site Lots 1,2, & 5 in the SWk of Section 6: T4N:
		R9W; Lonoke County, Arkansas containing 120 Acres (Less 2 Acres in Lot 5 with house & barn)
8	3.	Total area of site to be used as a sanitary landfill Approximately 100 acres
9		Character of site (hillside, gully, flat land, etc. Rolling
1	10.	Present land use surrounding site
1	n.	Distance from nearest public roadabuts present landfill road and nature of access
		road present or planned All-weather gravel road and plan to pave
1	12.	Distance to nearest residence adjacent to three residences
1	13.	Distance to nearest water supply well At least one-half mile

IF THE PAGE FILMED IS NOT AS LEGIBLE AS THIS LABEL, IT IS DUE TO THE QUALITY OF THE ORIGINAL.

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15.	STEEL STEEL STEEL STEEL		t boundaries of the proposed site and
			the site (attach copy). A USGS Quad-
	rangle map is		obtained for 75¢ from:
		Arkansas Geologi 3815 West Roosev Little Rock, Ark	elt Road
16.	Soil profile	description, including	depth of soil, wetness, permeability,
	and texture.	Include a statement a	bout any evident limitations or hazards
	such as flood	ing, character of bedr	ock if known, permeable substrate or
	other factor.	This information sho	uld be obtained from the Soil Conser-
	vation Service	e or other reliable so	urce. (Attach copy of report.)
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18.	Type of opera Types, quanti TYPE Residential	tion: Trench fillx ties, and sources of m QUANTITY (Est.%) 75%	(Responsible authority).  Area fill or combination aterials to be disposed of:  SOURCE Households  Downtown Retail Businesses  A trailer factory, Farniture factor
18.	Type of opera Types, quanti  TYPE Residential Commercial	tion: Trench fillx ties, and sources of m QUANTITY (Est.%) 75% 	(Responsible authority).  Area fill or combination  aterials to be disposed of:
18.	Type of opera Types, quanti TYPE Residential Commercial Industrial	tion: Trench fillx ties, and sources of m QUANTITY (Est.%) 75%	(Responsible authority).  Area fill or combination aterials to be disposed of:  SOURCE Households  Downtown Retail Businesses  A trailer factory, Farniture factor
18.	Type of opera Types, quanti TYPE Residential Commercial Industrial Other	tion: Trench fillx ties, and sources of m QUANTITY (Est.%)	(Responsible authority).  Area fill or combination aterials to be disposed of:  SOURCE  Households  Downtown Retail Businesses  A trailer factory, Farniture factor and garment factory
18.	Type of opera Types, quanti TYPE Residential Commercial Industrial	tion: Trench fillx ties, and sources of m QUANTITY (Est.%)	(Responsible authority).  Area fill or combination aterials to be disposed of:  SOURCE  Households  Downtown Retail Businesses  A trailer factory, Farniture factor and garment factory  r hazardous wastes to be disposed of at
18.	Type of opera Types, quanti TYPE Residential Commercial Industrial Other	tion: Trench fillx ties, and sources of m QUANTITY (Est.%)	(Responsible authority).  Area fill or combination aterials to be disposed of:  SOURCE  Households  Downtown Retail Businesses  A trailer factory, Farniture factor and garment factory  r hazardous wastes to be disposed of all

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	Procedures for prevention of unauthorized use of the site
3.	The proposed use of the site upon termination of the disposal operation operation of the disposal operation operat
. 1	Type collection service provided or planned City pickup service and individuals
	hat city/county ordinances control solid waste collection/disposal in our area? Cabot has a City Ordinance on collection and disposal of
-	Solid Waste.
× 01	MARKS We need to get your approval of this site. If the site meet our approval, it will be secured by purchase or condemnation from pre-
OF UR	APPLICANT CLEV OF Cabot  Wellei Ro
	Mayor Mayor

3 come y 50

# UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

Drawer E. Lonoke, AR 72086

MARKET SANITARY LANDFILL SITE

DATE 12-2-77

Mayor Gity of Cabot Cabot, AR 72023

A soils investigation was made on a site in the SWE of Section 6, TAN, R9W, Lonoke County.

Soil boring indicated that the soils present on this site are (note attachment) Leadvale, Taft, and Enders.

Leadvale soils have moderate limitations for sanitary landfills because of depth to rock and wetness.

Taft soils have severe limitations for sanitary landfills because of metness. Also a few areas may be subject to occasional flooding.

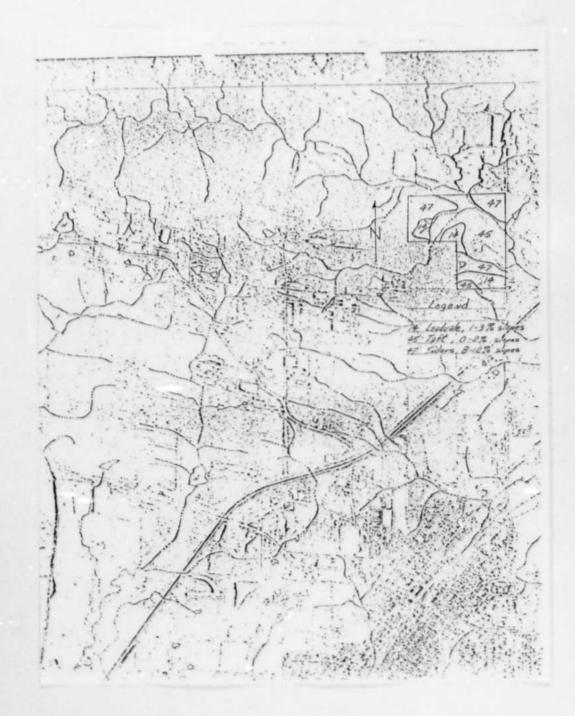
Enders soils have severe limitations for sanitary landfills because of depth to rock and clayey subsoil. Depth to rock ranges from 30 to more than 60 inches.

If we can be of assistance in the future, please call us.

Michael T. Fielder Soil Scientist

Soil Conservation Service





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## REFERENCE: 4

March 25, 1973

501 371-2130 SNCD

The Honosable Willie Ray, Mayor City Hall Cabot, Arkansas 72923

Dear Mayor Ray:

Preliminary inspections have been made of the proposed site for the extension of the Cabot Sanitary Landfill. Our staff considers the site to be acceptable for you to proceed with the next step to be taken in applying for a solid waste disposal permit.

The formal application is enclosed. You should now retain a registered professional engineer, and it is required that he couplete and submit this form with the engineering plans for the proposed site. Your engineer should contact it. Floyd Burham, Solia Waste Control Division Engineer, at this office before completion of the plans or form.

There are several items that should be addressed in your engineering plans. The first is accessibility to the location. It will be necessary to construct a site road for more than one-fourth of a mile through the site property. Access to the site is suitable, at the present time.

Since soils information was obtained for approximately only: 35 acres of the 100 aer -ite. I should remind you that only that 35 acre portion can be considered for a permit and only that portion should be engineered. Additional soils information and engineering will be necessary if you desire consideration of a larger area.

Another consideration that your engineer should remember is the importance of engineering the site for the particular equipment that will be available.

The Department recommends that you hold a public hearing pertaining to the proposed site.

If I can be of assistance, please contact this office.

Sincerely,

9.1

Ms. Jodie Marler Administrative Assistant Solid Waste Control Division

Midp

Enclosure



# DEPARTMEN. OF POLLUTION CONT.

EGOT NATIONAL DRIVE

JL AND ECOLOGY **REFERENCE: 5** 

501 571-1701 GEN, OFF. 501 371-1196 AIR DIV.

July 28, 1975

The Honorable Willie P. Ray, Mayor City Hall Cabot, Arkansas 72023

Dear Mayor Ray:

At its last regular meeting on July 25, 1975, the Commission on Pollution Control and Ecology voted to grant a permit for the operation of a sanitary landfill to the City of Cabot.

The permit will be forwarded to you as soon as the necessary signatures have been obtained.

Sincerely,

Ray Hightower

Chief

Solid Waste Control Division

fc

- 2 -

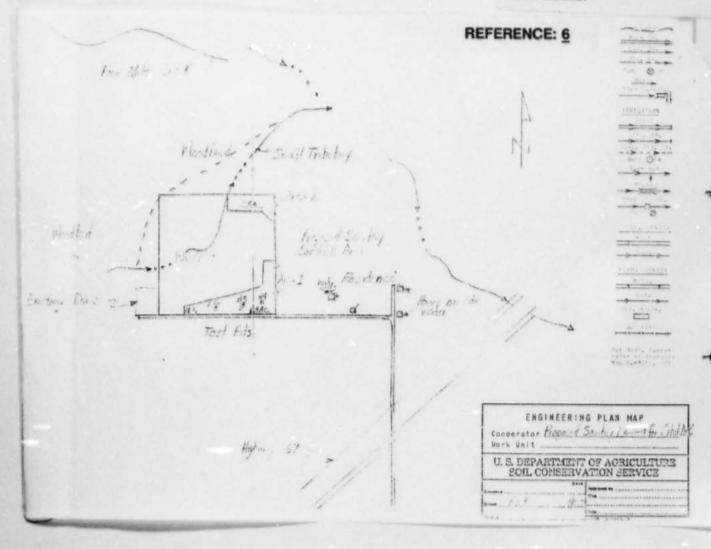
### Remarks:

I consider the site acceptable for sanitary landfill operations with the following suggestions and exceptions:

- The fill operation should begin at the western most edge of the site trenching eastward down the slope. Drainage ditches should be employed to carry water roughly south to north.
- The lower eastern end of the site should not be used as a trench fill due to a very high ground water table unless an area fill method is used with cover material hauled in.
- Area 2 should not be used due to high water table and nearness to Four Mile Creek.

WB:cb

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## REFERENCE: 7

11/15/77

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY 8001 National Drive Little Rock, Arkansas 72209 Solid Waste Control Division 371-2130

> APPLICATION SOLID WASTE DISPOSAL PERMIT (Sanitary Landfill)

The undersigned is a registered professional engineer with the state of Arkansas. A permit will be issued following submission and approval of engineering plans and specifications in accordance with the Arkansas Solid Waste Disposal Code.

863-3566

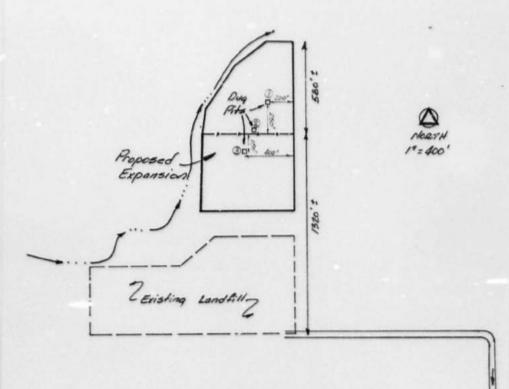
1	Applicant's name City of Cabot Phone No. 982-8324
1	Address P.O. Drawer Ad Cabot, Ar. 72023
1	Engineer's name Bill R. Staggs Phone No. KRIST
4	Address same
1	Legal description and acreage Part of the SWs of Section 6 T-4-N, R-9-W
	Lonoke County acres 8,5-
	Total area of site to be used as a sanitary landfillacres.
ì	Land is to be leased, rented, owned $\underline{\chi}$ . (If land is to be rented or leased, a copy of rental or lease agreement will be provided in rarrative portion of plans.)
1	Present land use surrounding sits None
1	Distance from nearest public road 1/4 mile and nature of access road
1	present or planned existing gravel road extending to paved
	Distance to nearest residence 3/4 mile
1	Distance to nearest water well 3/4 mile
1	Distance to nearest lake or streamName
4	Soil profile description, including depth of soil, wetness, permeability, and soil texture. Include a statement about any evident limitations or hazards such as flooding, character of bedrock, if known, permeable substrate or other factor. This information should be obtained from the Soil Conservation Service or other reliable source (attach copy of report).
	(2018년 1일 전 1일
6	Depth of minimum water tablefeet. Determined by

2			11/15/
13. Type of opera	ation: Trench fill_	Area fill or Combination	- Y
14. Types, quanti	ities, and sources of m	aterials to be disposed of:	on a
Туре	Quantity		
Residential/ Commercial	2/cu-yd/day	Source Typical Refuse	
Industrial	8 cu-yd/day	Scrap material, contain	
Other		- contain	ers. etc.
recedures tot	prevention of unauthor		
nain	gate is locked daily.	rized use of the site	
16. The proposed us	gate is locked daily.	mination of the disposal ope	
16. The proposed us	gate is locked daily. se of the site upon termit present	mination of the disposal ope	eration_
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0.9

_	SOIL LOGS
	PIT #1
0.5	Topseil
	Tan Chy m/Boulders 6"6
3.0	
4.5	Shiff Gray Clay W/ Red Clay Seams, Fractured Sandstone.
	Very Stiff Red Clay
6.25	
	Very Stiff Reddish-Brown Clay
9.0	Low Permeability, No Rocks
i	PIT #2
0.0	
9 0.5	Tan Clay, No Stone
4 45	stiff Red Clay Fragments
3.0	
vo .	stiff Gray Clay nl Red Clay Seams
5.0	Shiff Red Clay
79 7.0	ml Cementous Shale, Low Permeability
Ø	Stiff Dark Gray Clay
₹ 9.0	W/ Cementous Shale, Low Permeability
Delotu Below Sulltace Cfr.	PIT #3
0.5	Topsoil
-	Tan Chy, No Stones
3.0	Lt. Gray Clay w/ Red Clay Seams
4.5	Layered Dandstone.
	- Very Stiff Red Clay nl Bandotone Boulders
6.0.	
	Red to Dark Gray Stiff Clays
	Low Permeability
9.5	

SOILS LOG



Note: See Attached Sheet 2 of 2 For Strata Identifications

( Millie Ray Dr.

CABOT SANITARY
LANDFILL
SOILS LOG - PLAN

# REFERENCE: 8

FORM # 7/7/78

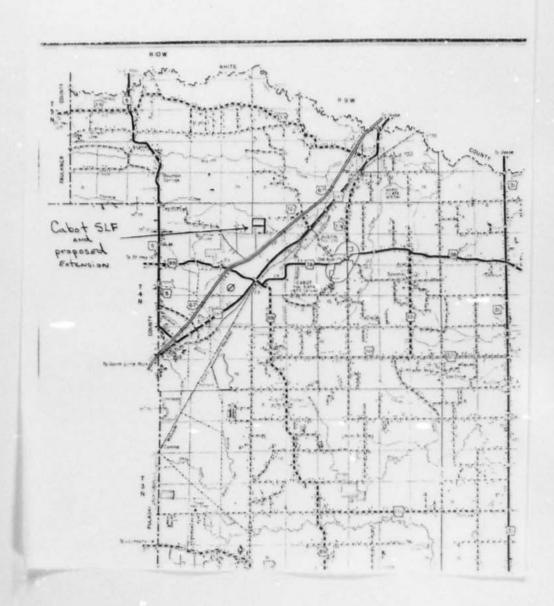
### PERMIT APPLICATION SUMMARY

1.	Name of Applicant City of Cabot Address Cabot, Arkansas 72023
2.	Name of FacilityCabut Sanitary Landfill #2
3.	Engineer/Firm Bill Stages/Krist Engineers Address Cabot, Arkansas 72023
4.	Application Date pre-application 9/19/80. Application 12/5/80
5.	Site Location 15 miles north of Cabot's Community Building. Part of the SWs of
	Section 6, T4N, RSW, Lonoke County,
6.	Operation Trench type for municipal waste. This site is an extension of the
	present operation.
7.	Residences Within & Mile 5 residences within & mile. All on city water.
8.	Water Supplies Within Vicinity
9.	Soils/Groundwater Soils are generally clay and weathered shale with some sandstone
	fragments. Trench liners will be required due to the added permeability
	associated with the shales and boulders. Groundwater at about 9'.
10.	Drainage SequenceInto a tributary of Four Mile Creek and eventually (35 miles)
	into the White River.
11.	Hearing Date N/A Dept. Represented Remarks Public hearing not
	required because same site as permitted before.
12.	Recommended Additional Permit Provisions NOTE ADDITIONAL CONDITIONS ON ATTACHED
	SHEET.
13.	Summary CommentsThis is an extension of the existing permitted facility that
	has reached its design caracity.

## PERMIT APPLICATION SUMMARY

## 12. ADDITIONAL CONDITIONS

- This permit shall expire when the approximate 85 acre disposal area described in the final engineering plans has been filled to design capacity.
- (2) Proper preparation of the site shall be supervised and reported in writing to the Department by a Registered Professional Engineer prior to placement of any waste in the landfill.
- (3) A one foot liner constructed of recompacted existing materials will be established in every trench.
- (4) As an adjunct to the additional conditions listed above, the permittee is reminded that the provisions of Condition #1 of this permit shall also be satisfied in the construction, operation, and maintenance of the landfill.



# "EFERENCE: 9

90

# ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY SANITARY LANDFILL EVALUATION

Name of site 01.	Location (town, city) 02.	County 03. Site No. 04.
Operator 05.  CABOT  Owner 06.  CABOT	Address 08. City HALL Address 09. City HALL	Entities Served 07.  CABT T & SURRCUNOWN.  AREA
03 Inadequate amploy 04 Operator not certi 05 Inadequate records 06 Unsatisfactory acc 07 Evidence of open 08 Oust or mud not 09 Waste not contine 10 Unsatisfactory litts 11 Improper operadin 12 Improper compact 13 Unsatisfactory fina 14 Unsatisfactory fina 15 Unsatisfactory fina 16 Improper drainage 17 Dumoing waste in 18 Leachate observed 19 Leachate entering 20 Improper fine pro 21 Unapproved salvag 22 Improper fine pro 23 Evidence of insect 24 No provisions for 25 Operation does no GENERAL COMMENTS	to operating hours.  ee facilities.  fied.  ss roads.  burning.  properly controlled.  d to manegeable area.  or control.  g of waste.  ng of waste.  y cover.  cover.  cover.  d cover.  d cover.  at the site.  at the site.  at the site.  at the site.  a water course.  for special waste.  ng of waste.  section, emergency communications  s and vectors.  backup equipment.  t correspond with engineering plans.  FRRELS OF CHEMICALS	ALCON JET CORP Likeck has EL DORADO CHEM Co. Paini
Type of waste disposed: 1201 Residential	02 ( Commercial .03 ( Industrial	.04 ( Demolition .06 ( ) Agricultural
Person Interviewed 13.	Month Day 14.01 14.01 02 /8	Year Time Weather conditions 15.

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## ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY SANITARY LANDFILL EVALUATION

Name of site 01.	Lucation (town, city) 02.	County 03.	Site No. 04.
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acat		cabet	arroad a rea
Owner 08.	Address 09.		
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	properly controlled.		
	ined to manageable area.		
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13 Unsatisfactory of			
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.16 Improper draina	ige		
.17 Dumping waste			
.18 Leachate observ			
	ng a water course		
	ing of special wast.		
.21 Unapproved sale			
	protection, emergency communications		
	ects and vectors.		
THE PROPERTY OF THE PROPERTY OF THE PARTY OF	or backup equipment.		
	not correspond with engineering plans.		
	Ornall operation looks	good	
GENERAL COMMENTS _			
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Type of waste disposed: 1201 (¿) Residential Person Interviewed 13.	.02 (- ) Commercial .03 (-) Industrial .04  Month Day 114.01 14.02	Year Time Weather	
Type of waste disposed:  1201 (.) Residential  Person Interviewed 13.  Ed Philips	.02 (-) Commercial .03 (-) Industrial .04  Month Day 14.01 14.02 105 12	Year Time Weather 14.03 14.04 DR	
Type of waste disposed:  1201 (.) Residential  Person Interviewed 13.  Ed Philips  Title 16.	.02 (- ) Commercial .03 (-) Industrial .04  Month Day 114.01 14.02	Year Time Weather 14.03 14.04 DR	
Type of waste disposed:  1201 (a) Residential  Person Interviewed 13.  Ed Philips  Tide 16.  Cocaroz.	.02 (-) Commercial .03 (-) Industrial .04  Month Day 14.01 14.02 0.5 12.  Reinspect prior to	Year Time Weather 14.03 14.04 DR	
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Type of waste disposed:  1201 (a) Residential  Person Interviewed 13.  Ed Phillips  Tide 18.  Cocordor  Inspected by (Signature) 18	.02 (-) Commercial .03 (-) Industrial .04  Month Day 14.01 14.02 C-5 12.  Reinspect prior to	Year Time Weather 14.03 14.04 DR	conditions 15.



## ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY SANITARY LANDFILL EVALUATION

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## ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY SANITARY LANDFILL EVALUATION

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Owner 08.	Address 09.			
24657	City Hall	1		
	11/2/1000			
10.				
.01 Inadequate informa				
.02 Access not limited .03 Inadequate employe				
.04 Operator not certif				
.05 Inadequate records.				
.06 Unsatisfactory accer	ss roads.			
.07 Evidence of open i				
.08 Dust or mud not i				
	to manageable area			
.10 Unsatisfactory litter				
.11 Improper spreading .12 Improper compaction				
.13 Unsatisfactory daily				
.14 Unsatisfactory inter				
.15 Unsatisfactory final				
.16 Improper drainage.				
17 Dumping waste into	o water.			
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17 Dumping waste int 18 Leachate observed 19 Leachate entering a 20 Improper handling 21 Unapproved salvagir 22 Improper fire prote 23 Evidence of insects 24 No provisions for it 25 Operation does not  GENERAL COMMENTS  Process  The Leachate  Corrected  Type of waste disposed:  12. 01 ff Residential 0:  Person Interviewed 13.	at the site. IN FORM  water course. MOCH  of special waste.  ng of wate.  nection, emergency community vectors.  correspond with engineer  personnel of the site o	ing plans. Leck  ing pl	the seems of lands.  Time Weather 14.04	That The  the Area va  () Agricultural  r conditions 15.
17 Dumping waste int  18 Leachate observed  19 Leachate entering a  20 Improper handling  21 Unapproved salvagir  22 Improper fire prote  23 Evidence of insects  24 No provisions for it  25 Operation does not  GENERAL COMMENTS  Process Copy  The Leachate  Copy of waste disposed:  12. 01 If Residential 0:  Person Interviewed 13.	at the site. IN Page  a water course. Machine  of special waste.  ng of waste.  nection, emergency commun.  wectors.  correspond with engineer  produce and the produce of the page of the	ing plans. Leek.  14. plans.  14. plans.  14. plans.  15. 16. to be.  16. 16.	the seems of lands.  Time Weather 14.04	That The the Area va  .c.  11 noust be
17 Dumping waste int  18 Leachate observed  19 Leachate entering a  20 Improper handling  21 Unapproved salvagir  22 Improper fire prote  23 Evidence of insects  24 No provisions for it  25 Operation does not  GENERAL COMMENTS  Process Copy  The Leachate  Copy of waste disposed:  12. 01 If Residential 0:  Person Interviewed 13.	at the site. IN Page  a water course. Machine  of special waste.  ng of waste.  nection, emergency commun.  wectors.  correspond with engineer  produce and the produce of the page of the	ing plans. Leck  ing pl	the seems of lands.  Time Weather 14.04	That The  the Area va  () Agricultural  r conditions 15.
17 Dumping waste int 18 Leachate observed 19 Leachate entering a 20 Improper handling 21 Unapproved salvagir 22 Improper fire prote 23 Evidence of insects 24 No provisions for it 25 Operation does not  GENERAL COMMENTS  Process  The Leachate  Corrected  Type of waste disposed:  12. 01 ff Residential 0:  Person Interviewed 13.	at the site. IN Page 1 water course. It is a water course. It is a construction of special waste.  In of special construction of special	ing plans. Leek.  14. plans.  14. plans.  14. plans.  15. 16. to be.  16. 16.	the seems of lands.  Time Weather 14.04	That The  the Area va  () Agricultural  r conditions 15.
17 Dumping waste int 18 Leachate observed 19 Leachate entering a 20 Improper handling 21 Unapproved salvagir 22 Improper fire prote 23 Evidence of insects 24 No provisions for 1 25 Operation does not GENERAL COMMENTS  Percent Operation  The Leachate  Corrected  Type of waste disposed: 12. 01 M Residential Of Person Interviewed 13.  Title 16.	at the site. IN Page 1 water course. It is water course. It is water course. It is so is pecial waste. It is so is pecial with engineer correspond with engineer for the same and the pecial waste. It is pecially a so i	ing plans. Lech  A plans  A pl	the seems of landfille Weather 14.04	That The  the Area wa  () Agricultural  r conditions 15.

## ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY PORMA = 5-178 SANITARY LANDFILL EVALUATION

	Location (town, city) 02.	County 03. Site No. 04.
elect SLF	Calat	Entities Served 07.
rator OS.	Address 06.	Entities Served 07.
too Calot	Address 09 RO. Documen AD	Calot & Austin Aus
er 08.	Address 09. R.A. Doscusta A.A.	A control of the cont
	Calut AR. 770+3	
	Carring Mr. 1707)	
7		
.01 inadequate informa		
.02 Arcess not limited .03 Inadequare employe		
.04 Operator not certif		
.05 Inadequate records.		
06 Unsatisfactory acce		
.07 Evidence of open I	burning	
.08 Dust or mud not		
.00 Waste not confined		
.10 Unsatisfactory litter		
.11 Improper spreading		
12 Improper compacti		
.13 Unsatisfactory daily		
.14 Unsatisfactory intel		
.16 Improper drainage.		
.17 Dumping waste int		
18 Leachate observed		
19 Leachate entering		
20 Improper handling	of special waste.	
21 Unapproved salvagi	ng of waste.	
	ection, emergency communications	
23 Evidence of insects		
.24 No provisions for		
.24 No provisions for .25 Operation does not	correspond with engineering plans.	
.24 No provisions for .25 Operation does not	correspond with engineering plans.	Test + 5th + 1
.24 No provisions for .25 Operation does not	correspond with engineering plans.	stid at this time to
.24 No provisions for .25 Operation does not	correspond with engineering plans.	stid at the time for
24 No provisions for 25 Operation does not RERAL COMMENTS	correspond with engineering plans.	
24 No provisions for 25 Operation does not RERAL COMMENTS	correspond with engineering plans.	
24 No provisions for 25 Operation does not NERAL COMMENTS	correspond with engineering plans.	
24 No provisions for 25 Operation does not RERAL COMMENTS	correspond with engineering plans.	
24 No provisions for 25 Operation does not NERAL COMMENTS	correspond with engineering plans.	
24 No provisions for 25 Operation does not seral COMMENTS of the series	correspond with engineering plans.	
24 No provisions for 25 Operation does not served to the s	correspond with engineering plans.	spection schololed
24 No provisions for 25 Operation does not MERAL COMMENTS A Time of the Atlanta o	correspond with engineering plans.	spection schololed
24 No provisions for 25 Operation does not MERAL COMMENTS 25 To Take 25 Comments 25 Commen	correspond with engineering plans.  In effect is precise open  track also were and and  and important. Re	+ Demolition .05 ( J-Agricultural
24 No provisions for 25 Operation does not MERAL COMMENTS 25 Care 25 C	correspond with engineering plans.  Limited his provide open the limited and and an arrival of and and arrival of an arrival of an arrival of a commercial .03 (Findustrial .04 (  Month Day Yea	Demolition .05 ( J. Agricultural Time Weather conditions 15.
24 No provisions for 25 Operation does not MERAL COMMENTS 25 Care 25 C	correspond with engineering plans.  Landfill is provide open  track also weekers of and  and important. Re-  2 (4 Commercial .03 (Tindustrial .04 (  Month .0ay Yea  14.01 .14.02 .14.	Demolition .05 ( J. Agricultural Time Weather conditions 15.
24 No provisions for 25 Operation does not serAL COMMENTS 25 To 25	correspond with engineering plans.  Landfill is provide operational provide operations. Record of and a second operations. Record of and a second operations. Record	Demolition 05 (Jagricultural  Time Weather conditions 15.  White High Conditions 15.
24 No provisions for 25 Operation does not serAL COMMENTS 25 Charles 26 of waste disposed:  01 (4) Residential 0 on Interviewed 13, 16, 17, 11, 11, 11, 11, 11, 11, 11, 11, 11	correspond with engineering plans.  Limited his provide of the control of the con	Demolition .05 ( J Agricultural of Time Os 14.04 Mather conditions 15.
24 No provisions for 26 Operation does not seral COMMENTS 25 Comment of	correspond with engineering plans.  Landfill is provide open the provide o	Demolition .05 ( J Agricultural of Time Os 14.04 Mather conditions 15.
24 No provisions for 26 Operation does not ERAL COMMENTS 25 To 25	correspond with engineering plans.  Limited his provide of the control of the con	Time 03 14 04 Weather conditions 15.

## AGKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY SANITARY LANDFILL EVALUATION

	Librarian Games press 89	CSA: 43 0059 County 03. Site No. 04.	_
arne of site 01.	Location (town, city) 02.		
abot SLF	Calat	Fresh 5-01	18
perator 05.	Address Q6.	Entities Served 07.	
it of Calet	C. E. Hell	Colot & that al	-
wner '08."	Address OD A service AD		- 100
6.	Calst. the . 72 23		
10 Unsatisfactory little 11 Improper spreading 12 Improper spreading 13 Unsatisfactory daily 14 Unsatisfactory daily 15 Unsatisfactory final 16 Improper drainage 17 Dumping waste int 18 Leachate observed 19 Leachate entering 20 Improper handling 21 Unapproved salvaging 22 Improper fire prote 23 Evidence of insects 24 No provisions for 25 Operation does not ENERAL COMMENTS	to operating hours.  ee facilities.  iied.  ss roads.  burning.  properly controlled.  I to manageable area. A 6. Common of waste.  of waste.  of waste.  cover.  mediate cover.  s over.  a water course.  of special waste.  ng of waste.  correspond with engineering plans.  I correspond with engineering plans.  I correspond with engineering plans.		
rion Interviewed 13.		ear Time Weather conditions 15.	
Ext th		1.03 14.04	
- AXGG at 1	Reinsbect prior to	984 1:000 dry	_
nin 16		(date) 17.	
tio 16.	Transport prior to		
to 16.			_
the 16.	Title 19.		-

## ARKA. AS DEPARTMENT OF POLLUTION CONT. A AND ECOLOGY LANDFILL INSPECTION AND EVALUATION

An

1.1.4 0.15	02. Location (Town, City)	03. County 04 Facous No.
2000	Colot	The Parish rep
O + 1 d	D6 Address	Jonape OMR-5
chy of Colot	Cit 7/11	Man
M. Permittee	Dir. Address	734054
	Calot A nan	10. Percent of Landfill Area Utilized
Landfill classification D1 ( ) Class IV	02 (1 Class II 03 (1) Class III 05 of Unclassified	☐ .01 Less than 25% ☐ .02 50% - 75% ☐ .02 25% - 50% ☐ .04 More than 25%
	- Contracting	2.05 Not Determinable
01 Operation of an unpermitte	22.00	
OZ Evidence of open burning	d facility	
.03 Unsatisfactory daily cover		
D4 Unsatisfactory final cover		
1.05 Improper drainage		-
D6 Dumping waste into water		0 1
07 Leachate observered leaving	The site	Manage and the same and the sam
.08 Leachate entering water cou	/10	
10 Acception amount of species	morning mosts ( beaute mating) strange	hed in No wer of it her burn con
11 Operation does not see a see		of the Fee from Care
	nd with engineering design and plans	
13. CLASS II VIOLATIONS		
.01 Access not limited to oppose	ing hours	
1.0.3 Waste But confirmed to mem-	noble rea	
- On Child office of the control		
OS improper spreading of waste.		
.06 Improper compacting of wast		ot
00 Evidence of leachate leaving to	dwef	
20 Improper fire protection	he site	without system of the live but in
10 findence of sectors	signicy communications   Machine Statement	extens ant alt 1 1 1 40
11 No provinces for buckup squi		The state of the state of
	p	
14 CLASS III VIOLATIONS		
Of Imadequate information sign .		
Use freedesquate employee facilities		
63 Inserquete records		
Of Fermit not posted at site		
05 Engineering design and plans in 06 Unsepproved salvaging of master	or available at site	
07 Scarefraging of waster	(/ N	
Oil Leathate observed on site		
1 079. Diest be mind not proceed and	miled	
the meaning water from madious	dely engered ask	
11 Operator not certified	The state of the s	
15 GENERAL COMMENTS		
ta	All operation has surp	
	meter special material	wied since but
The state of the s	ection, agreend to the	
tet	han to	and the corner of
	has been covered.	
ype of waste disposed:		
a same		
I Let Residential and com-	and the tremstrat (process)	
02 ( Residential 02 ( Con		
	rial materials 06   Other Lidentify under ger	neral comments)
On Interviewed		
non Interviewed April 5	19. Address	month day year time
On Interviewed	rial materials 06   Other Lidentify under ger	

Zer.

ARKA S DEPARTMENT OF POLLUTION CONT . AND ECOLOGY LANDFILL INSPECTION AND EVALUATION

Name of site	02. Location (Town, City)	03. County 04. Farmit No.	
City of Ochot SLF	Colat	Lonope 0178.5	
Operator 4	06: Address	OF CEN III	
	C. t this	430059	-1115
Permittee	09. Arteres	10. Percent of Landfill Area Utilized	
City of Calot	Colot. AR. 7302	3 01 Less than 26% 0.03 50% 751	£
Landfill classification .01 N Class J .0	The state of the s	₩ 02 25% - 50% CJ .04 More than	175%
	05 ( ) Unclassified	☐ 95 Not Determinable	
The Proof of the Assessment of the Parish of			
12. CLASS I VIOLATIONS			
.01 Operation of an unpermitted			-
.02 Evidence of open burning		/	-
03 Unsatisfactory duly cover_	She come of site of	as large our of weenes	16
.05 Improper diamage	- noticed down to re-	+ 15 1 . The	-
O6. Dumming wants into water			
2 07 Leachete observered leaving	the use Lerchate alanie	ed in NB some if site.	
Oil - Leachate entering water cou			
.08 Improper handling of specia			
10. Accepting unapproved waste	e(s)		
.11 Operation does not currespo	ond with regineering dissign and plans		
13. CLASS II VIOLATIONS			- *
01 Access not limited to operat			_
Q2 Unsatisfactory access roads			_
.02 Wasts not contined to many	Litter over large	24.5	
		are when	
95 Improper spreading of waste			
.06 Improper compecting of war			_
07 Untatisfactory intermediate			-
OB Existence of leachate leaving OB Improper fire protection, we			
10 Evidence of vectors	pergency summunications		-
11 Ne previoant for backup eq	n inment		
4			
14 CLASS III VIGLATION			
01 Inadequate information sign			
ID2 Inesequate employed facility	MS		
63 Inadequate records			
2 04 Permit not posted at site	> n/	fration on not at all to	-
		gerature in the of ell t	-
DG Unapproved severaging of war	HH		
07 Scarenging of wastes			_
OS Louchate observed on site			
.08 Dust or mud not properly is			_
10 Accepting waste from made	quality covered vehicles		-
11 Operator not certified		The second second second	
" GENERAL COMMENTS	1		
200000000000000000000000000000000000000	Family w in poor	the at the time	
	2	1 11/4/	
	recent had wenther	has contibuted greatly	
	to present operating p	m. blome	
Je .	to been obered to	10.7	
			_
The state of the s			
The second secon			
6. Type of waste disposed:	Commercial 03 (at Industrial Inco	acomali .	
6. Type of waste disposed: 01 (§t Residential 02 (%)	Commercial 03 (at Industrial lars		
6. Type of wasts disposed: 01 (gr Residential 02 N) 04 (A Demolition 95 (A)	The control of the co	ocms) fy under general comments)	
6. Type of waste disposed: .01 (§1 Residential 02 (%)	The control of the co	fy under general commental	Lima
6. Type of wasts disposed: 01 (gr Residential 02 N) 04 (A Demolition 95 (A)	Special materials 06 ( ) Other fidentif	fy under general commental	1 ma 2 1.04
6. Type of waste disposed: 01 (gd Revidential 02 N) 04 (A Demolition 05 IA	Special materiets 06 ( ) Other Sidentif	fy under general commental	
6. Type of wasts disposed: 01 (gr Residential 02 N) 04 (A Demolition 95 (A)	Special materials 06 ( ) Other fidentif	fy under general commental	

ARKA 3 DEPARTMENT OF POLLUTION CON. . AND ECOLOGY LANDFILL INSPECTION AND EVALUATION

Name of use	02. Location (Town, City)	03. County	W. 4		
City Clubot SAF	Outet			ermit No.	
5. Operator	Db. Address	of the		174	-5
Cety G Calut	City Hall dis	SALE OF CENT			
Permittee 6	09. Acpes		1359		
	Coint Ha same	10. Percent of Lan			
Landtill classification (0) 1100	111111111111111111111111111111111111111	D.01 Less tha	H 25% []	.03 50% -	75%
Landfill classification .01 (.) Class I .00 64 (.) Class IV	11 Class H .03 1 Class III 05 06-Linglassified	Q.02 25% · 66	2% (2)	.04 More	than 75%
	on the chiling	4	05 Not Dete	rminabie	
12. CLASS I VIOLATIONS					
01 Operation of an unpermitted	facility				
02 Evidence of open burning	-1			-	-
X 04 Unsatisfactory daily rover	from work and	met court	Luce	Atres 1	1.1965
06 Improper thursage	my my ment brownsont	- resterna	-la-	-	Treated
06 Dumping wants into water _	5,1965		-	Adres	100
.07 Leachate observered leaving t	he site			-	
Dill Lunching entering water court				-	
1. DB Improper handling of special	PRESENTATION AND ADDRESS.			-	
		German Start I Tom	- 10	/	-
.11 Operation does not correspon	d with anginouring dissign and plant	The second of the	and All	ament	-
44 CLASS	d with engineering distign and many classes	andfull en il	1111	padle	A STATE OF THE PARTY OF THE PAR
13 CLASS II VIOLATIONS	dles	manufactor 1 1 -1	The store	dutin.	y 1000
02 Umonisfacture occus made _	d travery	and the last	C.O !	- the	-
O3 Watte not continue to the		7		-	
04 Umatefactory little control	Later vesting or	and of present	land	tack	wtern
200 (mproper servation of service)	the state of the	are language it he	a of	ret	
We triple order an employed that of many					
07 Umatisfactory intermediate or	ues .				
. Mo Evidence of loughble language to	v 1.5e			-	
THE THEFTHEN THE PERSON NAMED	gency communications				
TW. Exidence of sectors					
11 No provisions for backup kinds	ment				-
					-
14 CLASS III VIOLATIONS					
01 fruidesquate information sign _					
03 Inadequate employee facilities.					
04 Permit not posted at sile					
D5 Franciscos de un anticipa	of providence of the				
M DG Unapproved to region of a com-	de lament of 12	4 51			
07 Scavenging of waster	Salvage watered	of weeter scatte	ved ala	7 100	wet of
M Of Lastifute observed on ute	with and of sel.)		Ais	sh a	-
10 Accepting maste from madegue	fely covered vehicles				
11 Courator not cortified					
IS GENERAL COMMENTS	improvement in a	2 26 4			
. 4. 103	improvement is	andfill omen	Shime with		-
expection come	the 1 11 mm	, ,			
	there it, 1985	. He response	et eva	Line	
the with		. Lit is in t	34		
inspection comb	they defectively	160		a property	· com
of this time	many defenders			_	-
at this time	and defendens		-		
of this time.	ayeases.		-		
Type of mate disposed	ayearea.				
of this time.  Type of write disposed  Of Wardential 02 1 Too	nimercial .02 Limiteduction (pro	consi			
Type of waste discussed  Of the Translation O2 1 TC o  O4 T Demoission O5 1 The	nmercial .03 Li-frobrotros (pro				
Type of waite disposed  Of La Theodoread  Of La Throdontial  Of La Throdontial  Of La Throdontial  Of La Throdontial	nimercial .02 Limiteduction (pro	cresi v under general comments)		L	Long
Type of waite disposed  Of La Theodoread  Of La Throdontial  Of La Throdontial  Of La Throdontial  Of La Throdontial	nmercial 02 Sub-Industrial (pro- trial materials 06 ( ) Other (identif- 19, Address	cresi y under general comments) monti	day	year 2103	time
Type of waste discussed  Of the Translation O2 1 TC o  O4 T Demoission O5 1 The	nmercial 02 sub-industrial (pro- trial materials 06 ( ) Other (identif- 19, Address	cresi v under general comments)	day	21.03	time 21,04
of the time.  Type of water disposed.  Of 1 of Residential 02 1 + Co.  Of 1 of Demoission 05 1 + Soc.  Person Inservice of Person 2  Hill Constitute 1	nmercial .03 Li-frobrotros (pro	cresi y under general comments) monti	day		21,04
Type of wate disposed  Of 1 F Rendential 02 1 F Co.  Of 1 F Demoission 05 1 F Soc  Person Interviewed  File Control  Interviewed 1 F Soc  Person Interviewed 1 F Soc  Pers	nomercial .03 Limited protection from materials .06 ( ) Other (identifing .05 ) .05 Phone	cresi under general comments) monti 21.0	day		
Type of wate disposed  Of 1 F Rendential 02 1 F Co.  Of 1 F Demoission 05 1 F Soc  Person Interviewed  File Control  Interviewed 1 F Soc  Person Interviewed 1 F Soc  Pers	nomercial .03 Limited protection from materials .06 ( ) Other (identifing .05 ) .05 Phone	cresi y under general comments) monti	day		21,04
of the time.  Type of wate disposed.  Of 1 of Residential 02 1 + Co.  Of 1 of Demoission 05 1 + Soc.  Person Inserviewed  FIN Specifical  majorital by Ingustriel  S. K. Makellie.	nemercial .02 Li-Andustrial (pro- losi materials .06     Other (identifi- 19. Address	cresi y under general comments) monti 21,0 price to igate)	day 2192		21,04
Type of mate disposed  Of 1 Proposition 02 1 Proposition 05 1 Proposition	nemercial 02 Limburtred (pro- cold materials 06     Other Indentifi  19. Address  20. Phone # # #.	consil y under general comments   month   21.0	day 2102	21.03 F/85	21,04

43-0059



## ARKA AS DEPARTMENT OF POLLUTION CON. .. L AND ECOLOGY LANDFILL INSPECTION AND EVALUATION

1 Name of site	02. Location (Town, City)	03. County	,	04. Permi		1
City Och SLE	actol	- The	fee	51	70-5	
Operator V	Es Administ answer	4. A. 07 CSN 22	da			
Coly of Colat	Cato Hall		305			
6 Permittee	CB. Address	10. Percent	of Landfill A	ma Utiliam	4	
"	Calut At.	[].01 L	ess than 25%			
Landfill consideration 01 4 Class 1 .03	2 ( ) Class H .03 ( ) Class (H .05 ( ) Unslassified	C. 02 25	0 05 No	Determi	More than	75%
394 17 53936,14	OR C. C. SCHOOLSES			_		
12. CLASS I VIOLATIONS						
01 Operation of an unpermitted	facility		-	-		
.02 Evidence of apon furning	2 + /	1 166 1	2	664	v . I.	112
2 .03 Unsatisfactory daily cover	Brentunbon	the same of action	- Cons	A. Children Co.	and of	the bearing
04 Unasinfactory final covers			7		and the same	
06 Dumping waste into water _						
07 Leachista attraccored leaving	the site					
and the state of t				-		
X 00 Improper himbling of special	more some Large 1 see	4 min 12 0	ordere is	Lon	Gill.	-
10 Accepting unapproved waste				-		_
.11 Operation does not correspo	nd with engineering as upn and prant.			_		_
The company of the company of the company						
12 CLASS II VIOLATIONS	******					
01 Access not limited to operate 02 Unsatisfactory scores roads				-		
0.2 Wests and used the manual	and on Singeral area	and the state of t	a. and	Mann	LAG.	1.
M 04 Unanteferory litter control		to 0	1. /	-	*	
205 Improper spreading of waite		6 h 4	44	-	54	
X 00 Improper compecting of was		11 11 14	~	-		
07 Umatestactory intermediate			*	fe.	-	
06 Evalution of lanchate leaving.						
09 Improper fire protection, em	n gency communications			-	-	-
10: Exidence of vectors				-		_
11 Ne provinces for buckup eq	pment		-			-
14 CLASS III VIOLATIONS						
Of Inatequate information sign						1000
02 Intelespeate employee facilities		er wet are to	and Min			
53 Inadequate records	,					
D4 Permit not posted at site						-
D5: Engineering drugs and place	not available at site			_		-
06. Unapproved streaming of war	ites					-
.07 Scavenging of martes				-	_	
.08 Lesshats observed an site						
09 Dust or mud not properly co						
10. Accepting wate from involved 11. Operator not contribed	Country country sentered					
C to observe and countries						
16 GENERAL COMMENTS	4 . 4		8 1 1	100		
1	Endy notable unpor	men I in well	6 4	meter	il	
	day E/w enteres					
	may ala mana	The second of the second second		-		
0	2 pril 11/985 inagent	and the same				
16. Type of waste dispused						_
Q1 (A Residential 02 (N	Commodul 03 M Indu	otrui (procesi				
04 (A Dimolition .05 14	Special materials 06 / / Other	r lidentify under general com-	nental			
12 Person (prorespend)	19. Ar. fress		manth	day	year	time
			21.01	21.02	21.03	21.04
11/1 11	47. 4					
Medenth	.5.A A		10	40	1000	100
Me Showith	-5. A A		12.1	16	1985	lin



## ARKA IS DEPARTMENT OF POLLUTION CONT IL AND ECOLOGY LANDFILL INSPECTION AND EVALUATION

City of Calot She	02. Location (Town, City)	103. County Forefor	04. Pam	1. No.	
8. Operator	Oli Address	07 CSN #	-	-	
C.T of Calt	PU Drawer AD	4300	159		
& Permittee	09. Address	10. Percent of Land	-	d	
10 to 10	Colot, Ac. 73023	C.01 Less than	25% □ .03	50% - 7u%	-
Landfill classification .01 04 Class I .0     .04 L ) Class I V	2 ( ) Class H . 03 ( ) Class HI .05 ( ) Unclassified	2.02 25% 505 Cl.(	Not Determ	More than mable	70%
12. CLASS I VIOLATIONS					
01 Operation of an unpermitte	d facility				
.02 Evidence of open burning	Mr. Name of the Me.	from sol time	and sea	Can-	
D4 Unsatisfactory final cover		to bushing you	port.		
.05 Improper drainage	/ / / / / / / / / / / / / / / / / / / /	7			_
Q6 Dumping waste into water				_	-
.07 Leachate observered leaving			-	_	-
.08 Leachate entering water ros	morning weets Light dren of	materiallisch.	-F-16	ester!	de
10 Accepting unapproved want	(a)	fraging.	44	tant	37
	and with engineering design and plant			Sederate de	-
13. CLASS II VIOLATIONS					
01 Access not limited to operat	long hunars				
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03 Waste not continued to many	pertine was days area of en	not in NIV me	a of oil	- 7	-
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### ARKA S DEPARTMENT OF POLLUTION CONT . AND ECOLOGY LANDFILL INSPECTION AND EVALUATION

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## ARKA. S DEFARTMENT OF POLLUTION CONT. . AND ECOLOGY LANDFILL INSPECTION AND EVALUATION

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## ARKANSAS DEPARTMENT OF POLLUTION CONTRACT AND ECOLOGY LANDFILL INSPECTION AND EVALUATION

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# REFERENCE: 10 City of Cabot ARKANSAS

72023 GLENP CLEMENTS, MAYOR

2nd and Main . TELEPHONE (501) 843-3566

April 14, 1981

MRS. VANCE TUCKER Treasurer

ALDERMEN

Werd 1 HOLLON CRUM WILLIAM WAYMACK

GARLAND WOMACK HAROLD (DOPIE) JONES

Ward 2 STERLING BEASLEY FRED WOOD

Ward 4 MICHAEL McGUE 808 DUKE

Arkansas Dept. of Pollution Control & Ecology P.O. Box 9583

8001 National Drive Little Rock, Ar. 72219

Dear Sir:

Enclosed is the corrected narrative for the Sanitary Landfill for the City of Cabot.

Please contact me if further information is needed.

Sincerely.

Glen P. Clements Mayor

GPC/cm

IF THE PAGE FILMED IS NOT AS LEGIBLE AS THIS LABEL, IT IS DUE TO THE QUALITY OF THE ORIGINAL.

SANITARY LANDFILL STUDY

FOR

CABOT, ARKANSAS

3

FARITARY LABOR D.L. FOR CAROT, ARRADMAS

This application for a Solid Waste Disposal Permit is for the expansion of an existing sanitary landfill owned by the City of Cabot. Cabot has operated this landfill since September of 1975. Nost of the environmental and site characteristics are the same for the planned expansion as the original landfill. The following narrative describes the pertinent site features and a general description proposed for this expansion.

#### 1. Proposed Site

- 1.1. Location: The proposed expansion is immediately north of the existing landfill which is 1½ miles north of downtown Cabot. The site is more particularly described as being in the SW4 of Section 6, T-4-N, R-9-N of Lonoke County.
- 1.2. Topography: The site has two distinct areas of differing topography.

  The southern one-half of the site is characterized by a sloped terrain with an approximate ten per cent slope from southwest to northeast.

  The remader of the site is generally flat.
- 1.3. Site Drainage: The drainage pattern for this site is toward the northeast and to the northwest, both into a small tributary of Four Mile Creek. A buffer area adjacent to this tributary stream is provided to contain leachate from the landfill. Diversion ditching should be provided as shown on the Plans and as necessary to prevent ponding across the newly completed areas of the landfill. Proper construction of levee sections will also assist in diversion of water from the site.
- 1.4. Soil Characteristics: Soils in the upper four feet are silty clays with varying amounts of stone. These clays have poor to fair drainage characteristics. The lower five feet of soils strata are heavy clays

with cementous shale with very low permeability. These heavier clays should be utilized for final cover material so as not to prevent percolation from fill sections into the lower trenched sections. No groundwater was encountered in the test pitm.

#### Service Area

- 2.1 The landfill is expected to receive wastes from domestic, commercial, institutional, industrial and public establishments in Cabot, and minor reaches of surrounding development. No hazardous wastes or liquids will be accepted.
- 2.2. Population Served: The population equivalent is estimated at 5,000 to 6,000 people for the anticipated life of the landfill.
- 2.3. Method of Service: The City of Cabot owns and maintains packer-type collection trucks with mechanical means of discharging wastes. Weekly collections are made throughout the service area.

#### · Landfill Description

This expansion has the advantages of well maintained access and site entrance roads. All features of the site and its surrounding area are identical to the original landfill site.

#### Site Improvements

4.1. Access to Site: The existing site entrance road shall be extended with side ditching and culverts as required to provide access to the proposed site. The road should be well compacted with crushed stone added to assure an all-weather traffic surface. It is anticipated that the road will be extended as the landfill; s developed unless the operator wishes to utilize the "dry weather" area so designated on the plans: in which case, the road must be extended to this area.

#### 4.2. Access to Dumping Areas:

As the development of the site progresses temporary roadwork will be required to provide convenient traffic routing to the dumping areas. When these are no longer needed, each should be graded out and any culvert salvaged and reused.

#### 4.3. Clearing and Grubbing:

This new site will require only minor clearing as the development progresses. All topsoil material should be stockpiled throughout the life of the landfill for later use.

#### Method of Constructing Landfill

The present methods of construction will continue. This consists of first trenching for burial of wastes followed by filling of wastes over the compacted burial refuse.

#### 5.1. Progression of Development:

The invididual areas shall be diveloped from north to south by

construction of a levee to facilitate the area filling procedure.

The development will begin with Area "A" and continue alphabetically:

except, Area "E" should be utilized only during dry weather to avoid

problems such as stuck vehicles and groundwater in trenches. A cell

shall extend the complete length of the particular area before beginning
the next cell.

#### 5.1.1. Trenching:

Excavated material from the first cell of a particular "Area" should be used to construct the levee section.

The trench should be constructed such that all water from rainfall or groundwater drains away from the work area.

Generally, filling of trenches with refuse should progress from west to east in areas A through D and south to north for Area E,

Cover material can be obtained from the next cell as trenching progresses.

#### 5.1.2. Filling:

Filling operations can begin when a trench has been completely filled with refuse. As the following cell is being trenched, the excavated material is used for daily cover and final cover for the fill section of the preceding cell.

Filling operations should progress in the same direction as the trenching operation, so as to take advantage of the additional compaction of trench areas by movement of vehicles. Rainfall runoff will be easily directed away from the work area by grade differentials.

#### 5.1.3. Final Cover:

Following filling methods and final cover of the ceil, a four-inch cover of topsoil should be added for a total compacted thickness of 30 inches. Seeding of the topsoil should also be provided immediately following placement of topsoil.

#### 6. Traffic Flow and Unloading

Traffic will travel on the site access roads bi-directionally. Signs for direction will need to be posted or a fee clerk shall be stationed at the main entrance for collection and directions. No major problems have arisen at the existing site relating to traffic flow or dumping,

but particular attention should be first to the for which require cannot unbooking to prevent disruption of tractic.

#### 7. Handling and Compacting Various Mastes:

#### 7.1. Coneral Refuse:

The general type refuse wastes are usually made up of such beterogeneous mixtures of materials as paper, cans, bottles, cardboard, wooden boxes, plastics, lumber, metals, yard clippings, food wastes, rocks, soil, leaves, brush, etc. These types of refuse can be readily compressed and crushed under relatively low pressure when individually exposed to the direct impact of compaction equipment. However, when these items are combined and/or make up the mass of the solid waste they often bridge or act as a cushion, thus protecting the relatively low strength materials from being crushed under the load of the equipment.

To reduce this cushioning and bridging effect and to attain a greater volume reduction at the Cabot landfill, all refuse deposited in the general refuse area shall be spread in layers less than two (2) feet deep and then tracked over the entire width of each layer with the spreading equipment at least three times.

Solid waste that contains a high percentage of brush, leaves and yard clippings will require the expenditure of more compactive efforts.

Should entire loads of such items be received at the landfill site, they shall be spread and compacted near the bottom of a cell and loss resilient waste placed and compacted on top.

The equipment operator at the Cabot sanitary landfill shall maintain the working face at a slope of no greater than 3:1. Waste shall be deposited at the toe of all work faces (wither by directly unloading there or moved to the toe by spreading equipment) and then spread by pushing up the slope. With waste spread against the slope in this manner and the machine moved up and down, it will thus tear and compact the waste and eliminate voids. The equipment operator should make passes until he no longer can detect that the surface of the waste is being depressed more than it is rebounding. The compacted density of the refuse in the trenches and fill sections shall be a minimum of 800 lbs/cubic yard.

#### 7.2 Bulky Refuse:

Bulky wastes include such items as car bodies, demolition and construction debris, large appliances, furniture, etc. Such items so deemed to be bulky and/or difficult to reduce in volume shall be disposed of as outlined herein.

Significant volume reduction of construction rubble, stumps and timbers cannot be achieved, but car bodies, furniture, and appliances can be significantly reduced in volume. Such reduction or compaction shall be achieved by placing the items on solid ground and rolling over then with the heavy landfill equipment. Compacted items should be deposited at the bottom of the trenches.

Selected loads of demolition and construction debris- broken concrete, asphalt, bricks, and plaster- shall be stockpiled and used to build on-site (temporary) roads.

Even though bulky wastes do not usually contrin putrescibles, they are to be covered with a thin layer of soil at the end of each operating day to eliminate harborage for rats and other pests.

#### 5. Master Set See produ

The following is a general description of materials that require special handling for their disposal and shall not be accepted at the Cabot Sanitary Landfill unless written approval has been obtained from the Department of Pollution Control & Scology of the State of Arkansas.

The wastes are, but not limited to: Sewage solids or liquids, septic tank pumpings, and other liquids, semi-liquids; large dead animals, such as horses, cows, etc.; or hazardous substances and materials, such as infectious or pathogenic hospital wastes, biological wastes, radioactive materials; dye concentrates; waste chemicals; highly flammable or volatic substances; unexpended pesticide containers; pesticides; raw animal manure or explosives.

#### 9. Placement of Cover Material:

#### 9.1. Daily Cover:

A minimum 6-inch compacted thickness of soil will be placed over the daily refuse deposits of Phase I and Phase II of the Cabot Sanitary Landfill. In Phase II the 6-inch daily cover shall be applied to the side slopes (end faces) and the 2-ft. final cover to the top as construction of the cell progresses, thus leaving only the working face exposed. The working face shall be covered with a minimum 6-inch compacted thickness of soil at the end of each operating day.

#### 9.2. Intermediate Cover:

A 1-foot compacted depth of intermediate cover, or what could actually be termed as the final cover, for Phase I operations shall be placed on top of the refuse as the work face progresses along the trench length, leaving only the work face exposed. The work face shall be covered at the close of each day's operation with a 6-inch compacted thickness of soil.

Periodic grading and co-pacting of the interesting over will be necessary to repair erosion design and to prevent pending of water. Cracks and depressions that develop due to moisture loss and settlement of the fill shall be repaired frequently.

#### 9.3. Final Cover:

Final cover over the General Refuse Area of the Cabot Sanitary
Landfill shall be a 2-foot minimum compacted thickness of soil, with
the top 4 inches being made up of the topsoil stripped from the
site and stockpiled. The 4-inch thickness of topsoil shall not be
highly compacted as it is to receive seeding. Application of the
final cover shall be a wanced as the fill sections are completed.

Based on soil investigations performed at the Cabot Sanitary
Landfill site, it is recommended that soil excavated between 0
and 48- inches deep in the trenches and borrow pit be used to
satisfy the volume of daily and intermediate cover material required
during each year's operation. Further, the soil excavated from
these areas between 48- inches and 84+- inches shall be reserved
for use as final cover material.

#### 10. Operations During Inclement Weather:

The two major weather conditions which cause difficulties at a landfill are precipitation and extreme cold.

#### 10.1. Extreme Cold:

During extended periods of sub-freezing weather, frozen soil is not suitable for covering, nor should attempts be made to compact frozen material.

#### 10.2. Rainfall:

Heavy rainfall must be continually and adequately diverted. Diversion ditches and/or terraces can be extremely useful in The terraces can be graded them each to no lenger moded and utilized as cover naterial.

10.3. The northern sector of the landfill, Area "E" is to be reserved for dry weather use only. Careful attention must be directed to area drainage when using Area "D" to maintain roads and divert water.

Weather conditions cause maintenance problems for the construction of the landfill and access to the landfill. Added surface materials will likely be required and much grading and reshaping of roadbeds.

#### 10.4. Levees:

The levees which divide the "areas" are intended to provide a working fill section, and once the "area" is completely developed, will assist in diversion of rainfall runoff.

#### 11. Fire Control:

It is recommended that a mobile unit of the city's two-way radio system be established at the Cabot sanitary landfill site for direct contendith the City's Fire Department in case of fire. Also, all equipment operators shall keep a fire extinguisher on their machine at all times for extinguishing small fires.

All landfill personnel shall be briefed on fire-fighting procedures and use of the two-way radio system for contacting the City Fire Department.

No burning of wastes shall be allowed at the Cabot Sanitary Landfill.

Equipment fuels shall be properly stored in satisfactory containers in the vicinity of the equipment storage building.

#### 12. Litter Control:

12.1. It shall be the daily responsibility of all employees of the Cabot sanitary landfill to police all loose paper and other light articles of refuse from the site and along access roads leading to work face before the day's operations area is covered.

12.2. Fencing and lamby, wooded creas should be kept as each new exists as long as possible to possibly ratch lose papers, and prevent unnightly conditions.

#### 13. Salvage and Scavenging:

There shall be no salvaging, sorting, or scavenging of any wastes delivered to the Cabot sanitary landfill.

#### 14. Completed Landfill:

#### 14.1. Settlement:

Completed sanitary landfills will settle as a result of waste decomposition, filtering of fines, superimposed loads, and its own weight. Bridging that occurs during construction produces voids. As the waste decomposes, fine particles from the cover material and overlying solid waste often sift into these voids. The weight of the overhead and cover material helps consolidate the fill, and this development is furthered when more cover material is added or roadway. ... e constructed on the fill.

Settlement can produce wide cracks in the cover material that exposes the wastes to rats and flies, allow water to infiltrate, and permit gas to escape. Differential settling may form depressions that permit water to pend and infiltrate the fill. Because every landfill settles, its surface must be periodically inspected and soil should be added and graded when necessary.

The Cabot sanitary landfill shall be repaired of all cracks, erosion and uneven settlement of the final cover during the first two years following completion of the fill, Na. 2. Page

There are many ways in which a completed constary lands ill can be used. It can, for example, be converted into a green area or be designed for recreational, agricultural, or light construction purposes.

It is recommended that the completed Cahot manitary landfill be used as a green area. The completed landfill shall be seeded and turf established as herein described.

Turf shall be established on the final cover of each year's operation, all side slopes, terraces and, in general, on all areas disturbed during construction of the sanitary landfill; less and excepting the all-weather access road and borrow pit area. Establishment of turf on the final cover area of each year's operation shall be as soon as possible after completion of each year's Phase II operation.

The upper four (4) inches of the two (2) foot final cover shall be topsoil as stripped from the site during initial clearing and grubbing operations. Topsoil shall be applied to the surface of all areas to be seeded to a compacted thickness of 4-inches.

After topsoiling, areas to be seeded shall be dressed to the shape and section shown on the Plans and thoroughly pulverized by disk harrows or other approved means to a depth of not less than two (2) inches. All sticks, debris, and other foreign matter must be removed and the soil left in a suitable condition to receive seed.

Ferrilizer shall be applied to the areas that are to receive seed at the rate of 600 pounds per are. Ferrilizer shall be drilled into the soil or broadcast over the area and incorporated during the pulverization, but distribution must be uniform.

Sowing of seed may be by mechanical hand seeders or by approved power equipment. Either method must give uniform distribution and no seeding will be permitted during a high wind. For Bermuda seedings the area shall be firmed with a cultipacker immediately before and after seed are broadcast. For fescue seeding the area shall be firmed with a cultipacker immediately after the seed are broadcast on top of the soil.

Where seed and fertilizer are drilled together, the rows shall not exceed 16 inches in width, and must be parallel to slopes. The seed and fertilizer may be drilled from separate containers, or from one container if properly mixed. Seed and complete solid fertilizer shall not be mixed for more than 12 hours prior to seeding, except on areas where straight nitrogen fertilizer is used, the seed and fertilizer may be brondcast separately or may be drilled simultaneously in the same row from separate containers.

Rind of Seed

Planting Reason Seeding Rate

Tall Fescue (Ky. 31 or Alta)

Sept. 1-Oct. 15 30 Lb/Acre

Bermuda Grass (Cynodon dactylon)April 1-June 15 10 Lb/Acre

The completed sanitary landfill shall be seeded in full accordance with the above schedule. If the various portions of the work are not finished at such time to allow immediate seeding, mulch shall be applied to the area and then return during the next planting season and seed and remulch the areas to be turfed, all in full accordance with this section of the Manual.

Secreta seed shall be drilled on top of the seil. Feebug seed shall be drilled no more than 1/2- fuch deep.

Immediately after seeding and cultipacking, straw mulch shall be applied at the rate of two (2) tons per acre, and may be spread by hand or by suitable equipment, and shall cover the entire seeded area. Where rains are likely to occur before completion, the straw covering shall be started at the upper part and shall continue uniformly until the area is completely covered. Material for, mulching shall consist of threshed straw of oats, wheat, or rice. If the material is too long and brittle to properly secure to the surface of the soil, it shall be cut in an ensilage cutter or other equipment to lengths not exceeding eight (8) inches. Immediately following the spreading of the mulch material, it shall be anchored to the soil by means of a cultipacker, a disk harrow set to cut only slightly, a rotary hoe run backwards, or other equipment that will securely anchor the mulch and prevent it from floating or bunching by water or wind action. The number of passes over the material to secure it shall not exceed three (3) passes. Where slopes are such, or around structures where machinery cannot operate properly, the mulch material shall be spread uniformly by hand and secured by a shallow covering of earth, or cur into the ground at six inch intervals by means of a square point shovel.

After seeding is complete, the seeded area shall be kept thoroughly watered until a sufficient growth of grass is evident on the surface of the ground. In the case of Bermuda, watering must continue until the grass has sufficient root structure to withstand dry weather. Watering shall preferably be done in the afternoon. Any area larger than two (2) square yards not showing evidence of torough of grass shall be reserved.

#### 15. Close-Out:

The Cabot Sanitary Landfill shall be inspected periodically and after its completion by the Department of Pollution Control & Ecology of the State of Arkansas to insure its proper operation.

#### 16. Available Equipment:

Currently the existing landfill is being maintained with a track backhoe and a large dozer. The City of Cabot has a rubber-tired backhoe for emergency use only. Dump trucks owned by the City could be used for short durations to haul material. It is not known whether county owned vehicles or equipment is available for stand-by or emergency situations.

CEN: 430059



#### STATE OF ARKANSASRL. ERENCE: 11

## DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY BOOK NATIONAL DRIVE, P.O. BOX 9583 LITTLE ROCK, ARKANSAS 72209

January 6, 1987

PHONE: (501) 562-7444

The Honorable N.E. Smith Mayor, City of Cabot City Hall, Drawer AD Cabot, Arkansas 72023

Dear Mayor Smith:

Please recall a visit to your closed sanitary landfill on December 22, 1986, by S.K. McMullen and I. This visit revealed that the facility is 75% closed out but lacks point work at a number of spots to bring up the final contours of the cover. Further, areas that have received final cover must be seeded or sodded to reduce water percolation and leachate generation as well as to prevent soils erosion.

Should leachate become a factor in the areas that have evidence of receiving poor quality cover, the Department retains the right to require correction by diversion berms or ditches to prevent runon water or the supercharging of the area affected by the addition of cover soils greater than normal close-out requirements.

The Division has set a final closure date for the facility at September 15, 1987. However, if final closure is accomplished prior to this date please advise me.

We appreciate your efforts in accomplishing this task for your City and are aware of the expense necessary to accomplish an environmentally sound closure and realize that while time frames are necessary in any undertaking, we cannot set unrealistic goals.

If you should need additional information of technical assistance, do not hesitate to contact me.

Sincerely,

Jim Bearden, R.S. Coordinator

Solid Waste Division

JB:jfa

cc: Sam McMullen, EFS City of Cabot File



STATE OF ARKALINAS

## D. PAR IMENT OF POLLUTION CONTROL AND ECOLOGY SOCI NATIONAL ENGLE FO BOX PLES UTTLE ROCK ARKANESS TIRSO REFERENCE: 12

CERTIFIED MAIL FP 612 671 471 RETURN RECEIPT REQUESTED

FHONE | SOI! SEZ 7444

April 12, 1985

Honorable W. E. Smith Nayor, City of Cabot Post Office Drawer AD Cabot, Arkansas 72023

RE: Cabot Sanitary Landfill, Permit #0178-S. CSN #43-0059

Dear Mayor Smith:

I conducted an inspection on April 11, 1985, of the Cabet Senitary Landfill pursuant to the Arkaness Solid Waste Management Act and Disposel Code. This inspection reveals you are not in compliance with the requirements of the law and regulations. Specifically, I found the following violations:

1. Unsatisfactory daily cover.

2. Physicisfactory final cover in wouth area of site.

3. Improper drainage.

4. Accepting unapproved waste.

5. Waste not confined to manageable area.

Enastisfactory litter control.
 Improper spreading of waste.

8. Improper compacting of waste.

9. Uncatisfactory intermediate cover.

10. Imadequate records.

11. Permit not posted at site. 12. Unapproved salvaging of waste.

13. leachate observed on site.

 Operation does not correspond with engineering design and plans.

I inspected the landfill on March 11, 1985, and sent you a letter at that time noting several of the above listed violations. The latter requested insediate action to correct these deficiencies and a written response within thirty (30) days regarding correction of these violations. To date, no response has been received by our Department regarding the March 11th inspection. Also, operating conditions at this site have deteriorated greatly since that inspection. The large area of purreacible garbage charved during the April 11, 1985, inspection is votentially a health hazard as well as being in violation of the landfill permit regulations.

AS LEGIBLE AS THIS LABEL.
IT IS DUE TO THE QUALITY
OF THE ORIGINAL.

Page 2 Honorable W. E. Smith Mayor, City of Cabot

A copy of the inspection is enclosed. I took several pictures of the site during inspection. Please undertake immediate action to correct these violations. I am requesting you to submit, within ten (10) days of receipt of this letter, plans outlining measures to bring this facility into compliance with these regulations.

If I may be of assistance regarding this matter, please contact me.

Sincerely.

S. K. McMullen
Field Inspector
Compliance and Technical Assistance Branch

Si01/1s

Enclosure

OF THE ORIGINAL. AS LEGIBLE AS THIS LABEL, IT IS DUE TO THE QUALITY

ARLANSAS LEPARTHENT OF POLLUTION CONTROL AND ECOLOGY

HUMANAGEM

REFERENCE: 13

2 : Doice Hughes, Inspector Supervisor-Mazardous Waste, TSE

PROK Mike Betes, Hazardous Waste Inspector, TSE 4.13

37.76 : February 24, 1981

SULJECT: Drums of Hazardous Materials at Cabot Sanitary Landfill

Field inspectors from the Enforcement Branch report several of the drums had labels stating that the drum, when amptind, would be hazardous.

I visited the Cabot Saultary Landfill on Pebruary 19, 1981, with Rendy Gresham, to investigate the drums. We observed thirty-four 55 gallon drums, several drums were bulged at the ends. The majority of the drums were labeled as paint stripper or contact adhesive. The shipping address was Falcon Jet of Little Rock. There was one drum addressed to Dresmline Manuard facturing, Cabot. The top of the drum was labeled laquer scalar facturing to have burnt approximately 3/4 of the way down.

No of the drums of Pennwalt EZ-Strip were laying on their side and leaking. There was also one of the adhesive drums that had been leaking - self sealed.

According to the landfill operator, the drums have been on site since before August, 1980.

We went by Drasmine Manufacturing to explain the situation to them. We met with Steve Tipton and his father. Steve Tipton was very cordial and receptive. I explained that Drasmine, as the apparent generator of the waste, would be responsible for determining the lature of the waste in the drum and, if hazardous, dispose it in an authorized landfill.

I asked the Tipton's if they had any hazardous waste. They replyed that to their knowledge they did not. I asked if they were not. They also stated the hazardous waste regulations; they were not. They also stated that they did not receive a notification packet from EM. Dresmline is a furniture samufacturus. In their production line, they had spray booths which use dry filters. I explained that their paint residue would have to the teated according to the characteristics tests and referred them to the May 19, 1980, Federal Register.

The senior Tipton told us that we could get all this information from his suppliars without bothering his with it. He got very upset when I told him the Department did not have the resources to track this and that it was the generator's responsibility to determine if his waste was hazardous or not.

Doice Hughes, Inspector Supervisor Mike Bates, Hezardous Waste Inspector February 24, 1981 Drums at Cabot Sanitary Landfill Page Two

I requested that a letter be sent to us stating what Dreamline was going to do with the waste at the Cabot Sanitary Landfill.

I contacted bill honeyout of Falcor Jet and explained what we found and advised him that the barrels would have to be removed and disposed properly. Mr. Honeyoutt stated that they (Falcon Jet) had some raw materials "go bad" last summer and ordered the warehouse foreman to get rid of it. He said he would have the barrels picked up and send us a letter concerning the status of the waste.

cc: Cabot Sanitary Landfill File

Solid Waste Management Div	ontrol	☐/ phone .il  ☑/ field trip ☐/ other (specify)	
TO: Lakest piles	FROM: A	about pro D. Stee	DATE:
SUMMARY OF COMMUNICATION IN THE CONTROL OF THE CONT	had a los	the death of me	the said the
(continue on reverse if necessary)	al c	m washeli ye	any was

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## DEFERENCE 16

STATE OF ARKANSAS

Arkansas Geological and Conservation Commission

Norman F. Williams, Geologist-Director

WATER RESOURCES CIRCULAR NO. 5

GROU. D-WATER RESOURCES OF PARTS OF LONOKE, PRAIRIE, AND WHITE COUNTIES, ARKANSAS

by

Harlan B. Counts

U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the United States Geological Survey

Little Rock, Ark.

1957

TABLE 3
Generalized Geologic Section for Parts of Lonoke, Prairie, and White Counties, Ark.

Era	System	Series	Subdivision	Thickness (feet)	Character of Materials	Water Supply	
Cenosoic	nary	Recent(?)	Alluvium	0.50	Clay, commonly red, in places gray; aiit, generally sandy to gravelly.	Generally non-water-bearing. Lo- cally domestic water supplies are obtained from basal part.	
		Quaternary	Pleistocene(?)	Alluvium and terrace deposits	0-156	Sand and gravel in basal part, com- monly overlain by fine sand silt, and clay.	Basal part is most important aqui- for in this area. I-rigation-well yields are as high as 2,000 gpm.
	Tertiary(1)	m	Undifferentiated deposits	0-150	Sand, clayey, and sandy clay, gen- erally yellow to reddish-brown, mottled with gray spots where reducing conditions have existed. Channel fillings of clean sand occur locally.	Clean sand beds are important lo- cally for domestic water supplies.	
	Tertiary	Claiborne group  Eocene  Wilcox formation	Claiborne group	0-700	Sand, white to light-gray, fine to medium, and gray to tan clay and aandy clay.	May possibly yield soft water in southeastern part of area. Solty water at base. Not yet developed by wells.	
			0-800	Clay, chocolate-brown or speckled light-gray and black; lignitic clay and lignitic fine sand.	Probably contains fresh water in narrow belt across area, but wells were not developed in for- mation at time report was writ- ten.		
		Paleocene	Midway formation	0-500	Clay, dark-blue-gray to black, non- calcareous to very calcareous. A few very thin beds of white clay and dense fine-grained sandstone.	Generally non-water-bearing in this area.	
Mesozoic	C ets- ceous	Upper Ci-taceous (Gulf)	Undifferentiated deposits	0-150	Sandstone, light-gray to white, fossiliferous, calcareous, glauco- nitic, overlain and underlain by sandy clay, shale, and mari.	probably contains only salty water.	
Paleozoic	nneylvanian	Atoka	Atoka formation	500 7-1,500 7	Shale and sandstone interbedded, Sandstone generally tightly ce- mented, "Slate-rock" of drillers.	Water bearing only in area of out- crop. Locally contains small quantities of water in joints and other fractures, generally within 150 feet of the surface. Wells commonly yield I to 10 gpm.	

Department of Po tion Co and Ecology Solid Waste Management Div RECORD OF COMMUNICATION	ision 🛭 🖄 field tr	discussion  conference  conference: 1
TO: Cohet Eles	FROM: A charle Par Dan	DATE: 5 . 42. 32
SUBJECT: 1-1/2 /2-11 d 21 1/4/1	32 *	TIME: , - >_
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continue on reverse it necessary) pro-	the will also we had a so the soul almost home and had had have have	to per and the

New West Work Work	R WELL CONSTRUCTION FER	ENCE 17
Overser of Well	County €	inaple
	(b) (b)	
Well Contractor Queen Worlding Co		
Driller Name and No. 1 4 Que 0 2232		
Date Well was Completed Jeers 2-51		
1. Total Depth of Well Ft.		
2. Water Producing Formation: From 30 Ft.	Discription and Color of Formation (sand, shale, sandstone, etc.)	Depths to feet from to
ToFt,	Class	0 80
Water Level Below Land Surface 2 5		-
4. Gallons per Hour SO		
5. Well Disinfected with ATA		
6. Casing to \$0 Ft.		
7. Cased with 30 Diameter Connecticasing		
8. Cemented from O Ft. to /O Ft.		
7	Hemarks:	
9. Use of Well: Domestic Irrigation Municipal Other	Signed: - Gold & One	Date: 6 - 2 - 8
STATE OF A REPORT OF WATER WI Work over Well Replacement Well	ELL CONSTRUCTION	
REPORT OF WATER WI	COUNTY LO	AU FC
REPORT OF WATER WI  Work over Well  (b) (b)  Replacement Well  tractor  Fig. 1  C 1050  ler Name and No. Fig. 1  2121	COUNTY LO	
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REPORT OF WATER WILL  Work over Well Replacement Well  Itractor For Completed Completed For St.  Total Depth of Well 105 Ft.	County 20	Depths in feet from to
REPORT OF WATER WILL  Work over Well Replacement Well  Itractor C / 60  It	(b) (6)  Description and Color of Formation	tin which well is focated?
REPORT OF WATER WI  Work over Well Replacement Well  Itractor For C 100  Itractor For C 100  Itractor For Ft.  Water Producing Formation: From Ft.  To 105 Ft.  Water Level Below Land Surface	(b) (6)  Description and Color of Formation	Depths in feet from to
REPORT OF WATER WI  Well Work over Well Replacement Well  tractor For C 100  Well was Completed 100  Total Depth of Well 100  Water Producing Formation: From 100  Fit. To 100  Fit. Water Level Below Land Surface 100  Gallons per Hour 100	(b) (6)  Description and Color of Formation	Depths in feet from to
REPORT OF WATER WILL  Work over Well Replacement Well  Per of Well  Per Name and No. 100 Per No. 100 P	(b) (6)  Description and Color of Formation	Depths in feet from to
REPORT OF WATER WILL  Work over Well Replacement Well  Per of Well  Per Name and No. 100 Per No. 100 P	(b) (6)  Description and Color of Formation	Depths in feet from to
REPORT OF WATER WILL  Work over Well Replacement Well  Per of Well  Per Name and No. 100 Per No. 100 P	(b) (6)  Description and Color of Formation	Depths in feet from to
REPORT OF WATER WILL  Replacement Well  Ber of Well  Ber Name and No. F. C.	Description and Color of Formation (sand, shalz, sandstone, etc.)	Depths in feet from to
REPORT OF WATER WILL  Replacement Well  By (6)  Replacement Well	Description and Color of Formation (sand, shalz, sandatone, etc.)	Depths in feet from to

New Well Work-over Well Replacement Well	NELL CONSTRUCTS
Contractor Frank Bon don c 1090  Driller Name and No. Frank Bon dans 2171  Date Well was Completed 9-24-8	(b) (6)
1. Total Depth of Well 73 Ft.	
2. Water Producing For nation: FromFt.  ToFt.	Description and Color of Formation Depths in feet (sand, shale, sandstone, etc.) from to
2.1	Red aloy 1 10
Water Level Below Land Surface	Brown chy 10 18
6. Casing to 68 Ft. 7. Cased with Plantic Diameter 3 " Casing	Brown God 18 73
8. Cemented from Ft. to Ft.	Remarks:
9. Use of Well: Domestic Irrigation Municipal Other	Signed: I sed Bordon Date: 7-24-6
Form No. AWD-3	Mail to: Committee on Water Well Construction, 2916 So. Pine Str. Little Rock, Arkanas 72204

#### **OVERSIZE DOCUMENT**

The page that occupies this position in the paper document is:

Oversized document number:

ARD983319375

on the roll of 35mm film.

Titled:

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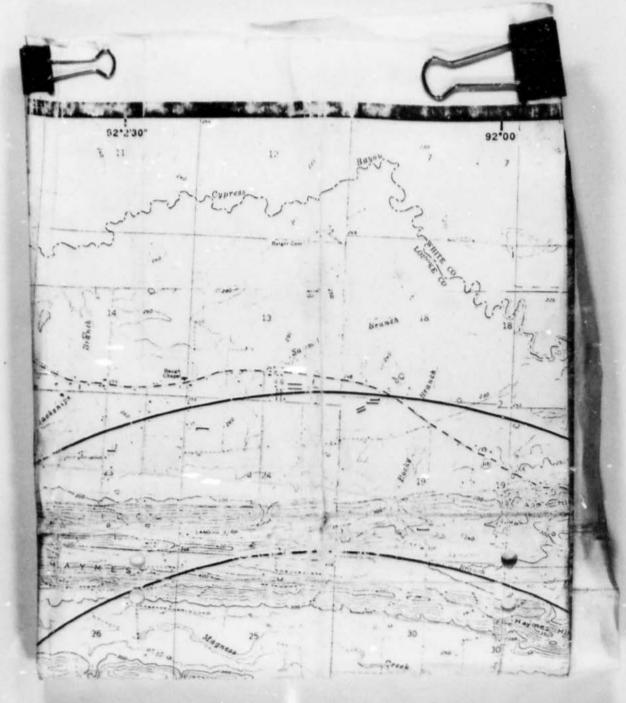
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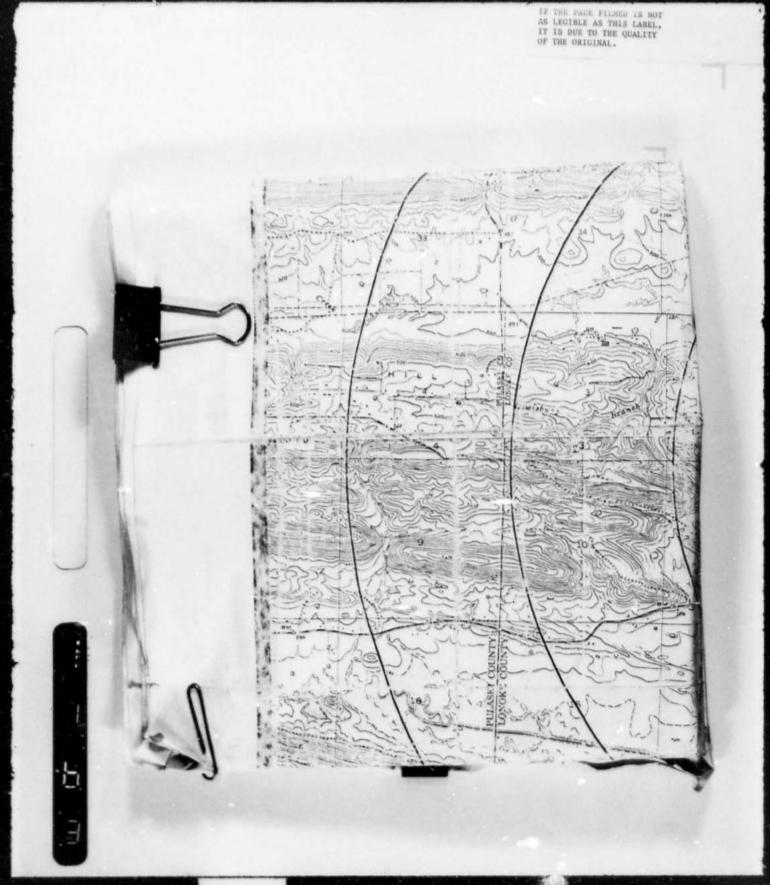
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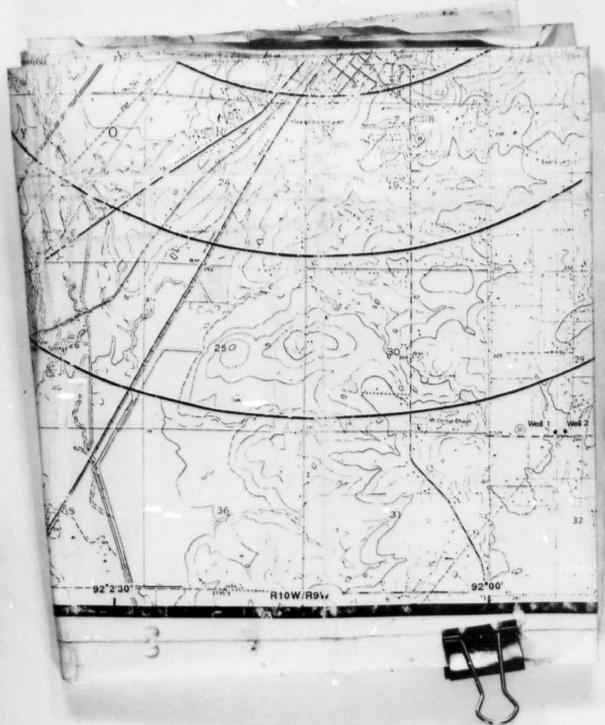
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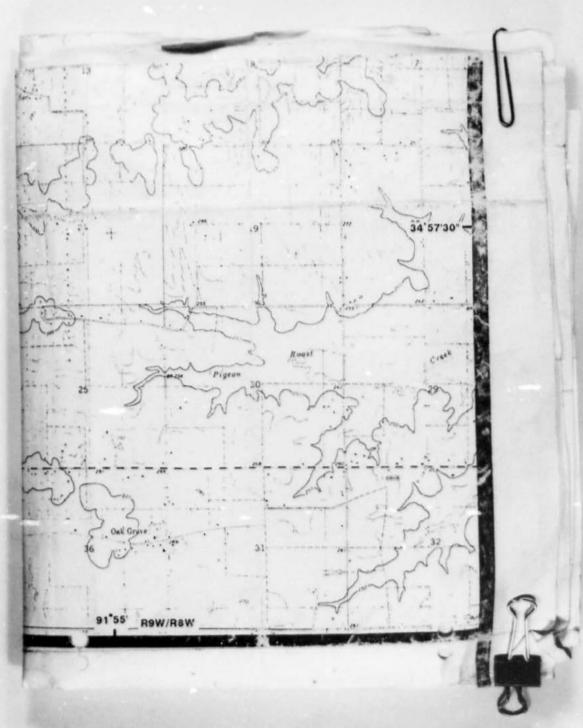
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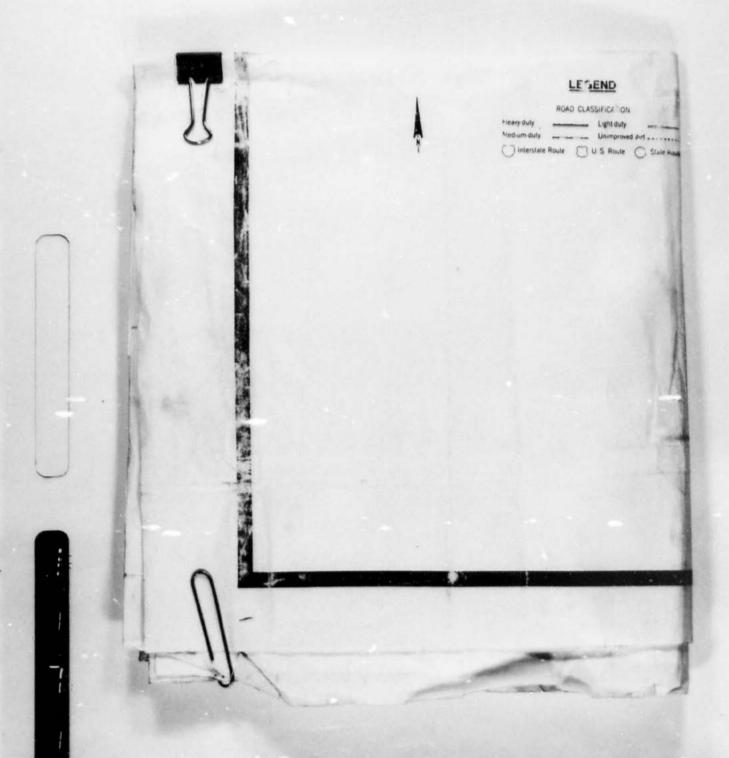
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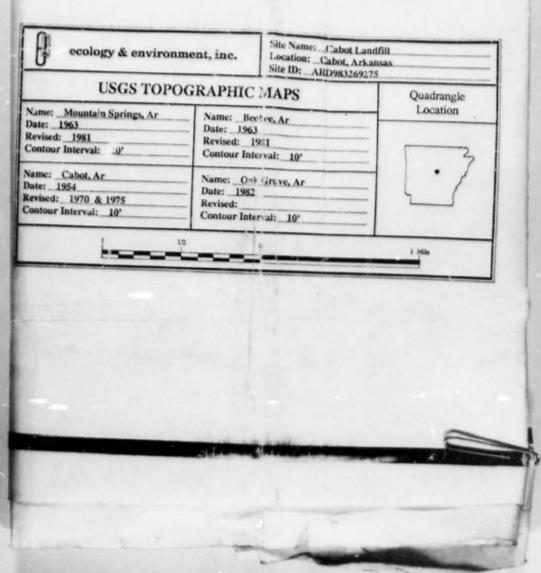


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REFERENCE: 18





Reference 19

RECORD OF COMMUNICATION	(Record of Item Checked Below)  ✓ Phone CallDiscussionField Trip ConferenceOther(Specify)		
To: Rodney Cabot Cabot Water	Prom: Kurt Soutendijk	Date: 10-15-90	
Department (501) 843-4654		Time: 2:10 p.m.	
SUBJECT: Cabot Landfil	11		
SUMMARY OF COMMUNICATIO	ON		
Cabot has three active	city supply wells		
1. 34°56'16" N 91°58	3'29" V		
2. 34°56′16" N 91°58	3'22" ¥		
3. 34°55′48" N 91°58	3'07" ¥	******************	
CONCLUSIONS, ACTION TAI	KEN OR REQUIRED		
INFORMATION COPIES TO:			

EPA FORM 1300-6 (7-72)
Replaces EPA HQ Form 5300-3 which way be used until Supply is Exhausted.



## REFERENCE 27) City of Cabot ARKANSAS

WILL ENAY, MAYOR

114 WEST PINE STREET . TELEPHONE 843 3565

C.N. JEWETT

MRS VANCE TUCKER Treasurer

ALDERMEN

Ward I HOLLON CRUM BILLY COOPER

Ward? L. C. JAMES HAROLD (DOPIE) JONES

Ward 3 WAYNE HENSON FRED WOOD

WARE 4 GLEN CLEMENTS BOB DUKE

Arkansas Dept. of Pollution Control and Ecology P. O. Box 9583

8001 National Drive Little Rock, Arkansas 72219

Attached is the original and one copy of an "Application for Approval of Sanitary Landfill Site".

We would like for your people to inspect the site and advise me as to its' acceptability for use as a sanitary landfill.

Sincerely.

Dear Sir:

Willie Ray Mayor

Ville to

WRijs Encl.

Revised 6/13/75

#### ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

APPLICATION FOR APPROVAL OF SANITARY LANDFILL SITE

The undersigned proposes to construct and operate a sanitary lendfill for disposal of solid wastes. A <u>permit</u> will be issued following approved engineering design and methods of operation.

des	ign and methods of operation.
1.	Name of proposed sanitary landfillCabot Landfill South
	General locationSouth of Cabot
2.	Applicant's nameCity of Cabot
	Phone No. 843-3565
	Address p. n. Box 597, Cabot, Arkansas 72023
3.	Property owner's name To be acquired by City
	Phone No.
	Land is to be leased, rented, owned _x (check one)
4.	Responsible authority for operation willie Ray, Mayor
5.	Area and/or towns served
6.	Total population served (if residential waste landfill) Estimate 12,000
7.	Legal description of site Ft. Set. Sec. 25, Township 4 North, Range 10
	-Veet
8.	Total area of site to be used as a sanitary landfill Approx. 60 acres
9.	Character of site (hillside, gully, flat land, etcRolling
10.	Present land use surrounding site Pasture and Cropland
11.	Distance from nearest public road and nature of access
	road present or planned all meather gravel road to be constructed
12.	Distance to nearest residence 1000 feet
13.	Distance to nearest water supply well Over 4 mile

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14.	Distance to nearest lake or stre	Branch across South and of said 80 Ac.
15.	Topographic map indicating the	exact boundaries of the proposed site and
	location of nearest water wells	to the site (attach copy). A USGS Quad-
	rangle map is desirable and can	be obtained for 75¢ from:
	3815 West Ro	logical Commission osevelt Road Arkansas 72204
16.	Soil profile description, inclu	ding depth of soil, wetness, permeability,
	and texture. Include a statement	nt about any evident limitations or hazards
	such as flooding, character of	bedrock if known, permeable substrate or
	other factor. This information	should be obtained from the Soil Conser-
	vation Service or other reliable	e source. (Attach copy of report.)
17.	Depth of minimum water table	Unknown feet. Determined by
		(Responsible authority).
18.		Area fill or combination
19.	Types, quantities, and sources	of materials to be disposed of:
	TYPE QUANTITY (Est.%	SOURCE
	Residentia? 75%	Households
	Commercial 105	Countown Retail Susinesses
	Industrial 15%	A trailer factory, furniture factory
	Other	and garment factory
20.	Description of any industrial a	nd/or hazardous wastes to be disposed of at
	site None	
21.	Zoning regulations restricting	use of the site None
	The state of the s	
		**************************************
	-	

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22.	Procedures for prevention of unauthorized use of the site
	Hill be fenced and have locked gate
23.	The proposed use of the site upon termination of the disposal operation
	City Perk
24.	Type collection service provided or planned <u>City pickup service and</u>
25.	What city/county ordinances control solid waste collection/disposal in
	your area? Cabot has a City Ordinance on collection and disposal of
	Solid Waste.
26.	REMARKS we need to get your approval of this site. If the site meet
	your approval, it will be secured by purchase from present owner.
NAMI	E OF APPLICANT
	NATURE

# UNITED STATES DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE

Drawer E, Lonoke, AR 72085

SANITARY LANDFILL SITE

DATE 7-12-77

Mayor City of Cabot Cabot, AR 72023

A soils investigation was made on a site in the  $E_2^1$ ,  $SW_2^1$  of section 25, TuN, RlOW, Lonoke County.

Soil borings indicated that four soils were present. (Note attached overlay). The soils were Amy, Leadvale, Sacul, and Taft.

Amy soils have severe limitations for sanitary landfills because of frequent flooding and wetness.

Leadvale soils have moderate limitations because of wetness. This restriction is related to operation problems and not pollution hazards.

Sacul soils have severe limitations because of being clayey. This restriction is related to operation problems and not pollution hazards.

Taft soils have severe limitations because of wetness. This restriction is related to operation problems.

If we can be of assistance in the future, please call us.

Richard T. Fielder Soil Scientist

Soil Scientist Soil Conservation Service



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Symbol Soils

14 Leadwale sit loam, 1 to 3 percent shores

35 Socal sit loam, 3 to 8 percent slopes

44 Any Soils, frequently flooded

45 Tatt sitt loam